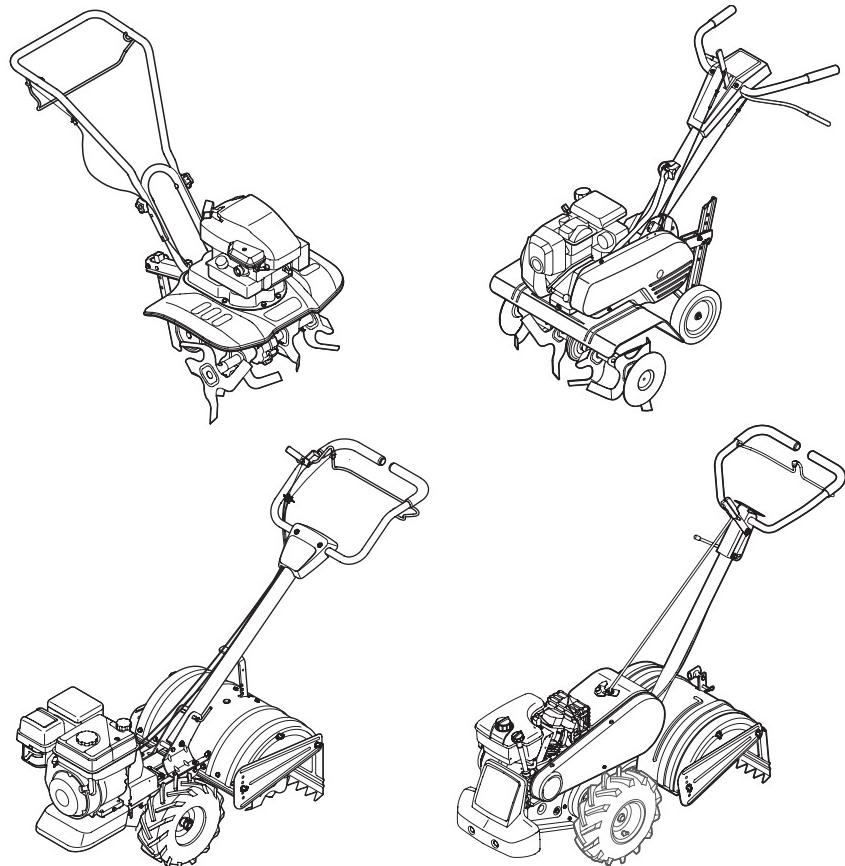


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# ILLUSTRATED PARTS MANUAL



## Tillers / Cultivators

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MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

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Printed In USA

Form No. 769-07277  
August 30, 2011

# To The Owner

Thank you for purchasing an MTD Tiller/Cultivator. It was carefully engineered to provide excellent performance when properly operated and maintained.

All information in this manual is relative to the most recent product information available at the time of printing. Please be aware that this Illustrated Part's Manual may cover a range of product specifications for various models.

Components listed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs and equipment without notice and without incurring obligation.

Throughout this manual, all references to *right* (RH) and *left* (LH) are observed from the operating position.

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## Record Product Information

To ease in ordering replacement parts, please locate the model plate on the equipment and record the information in the provided area to the right. You can locate the model plate by looking beneath the seat.

### MODEL NUMBER

<input type="text"/>											
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### SERIAL NUMBER

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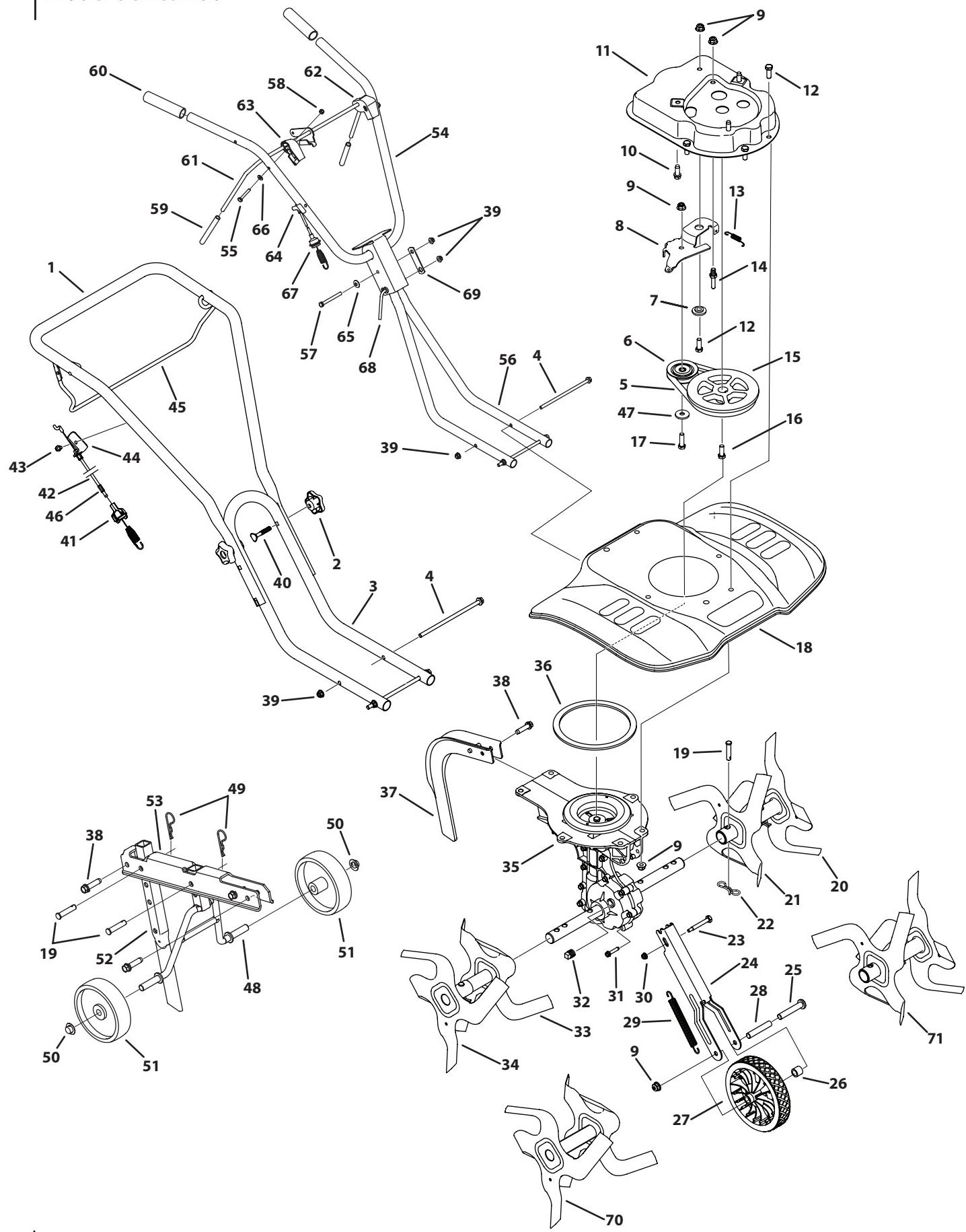
## Painted Parts

When ordering painted service parts, a four digit color suffix must be added to the part number (e.g. 783-XXXXX-0637). Please refer to the table below for current color codes:

0637	Black	0674	Yellow (Yard-Man)
0709	Dark Green (Bolens, Yard-Man)	0650	Metallic Red (White Outdoor)
0662	Oyster Gray (MTD Gold)	0629	Silver Flake (MTD Platinum)
0638	Red (Yard Machines, Huskee, Troy-Bilt, MTD)	04038	Day Orange (Daedong)
0691	Black Jack (MTD Gold, MasterCut)	04033	Flint Mica (Troy-Bilt XP)

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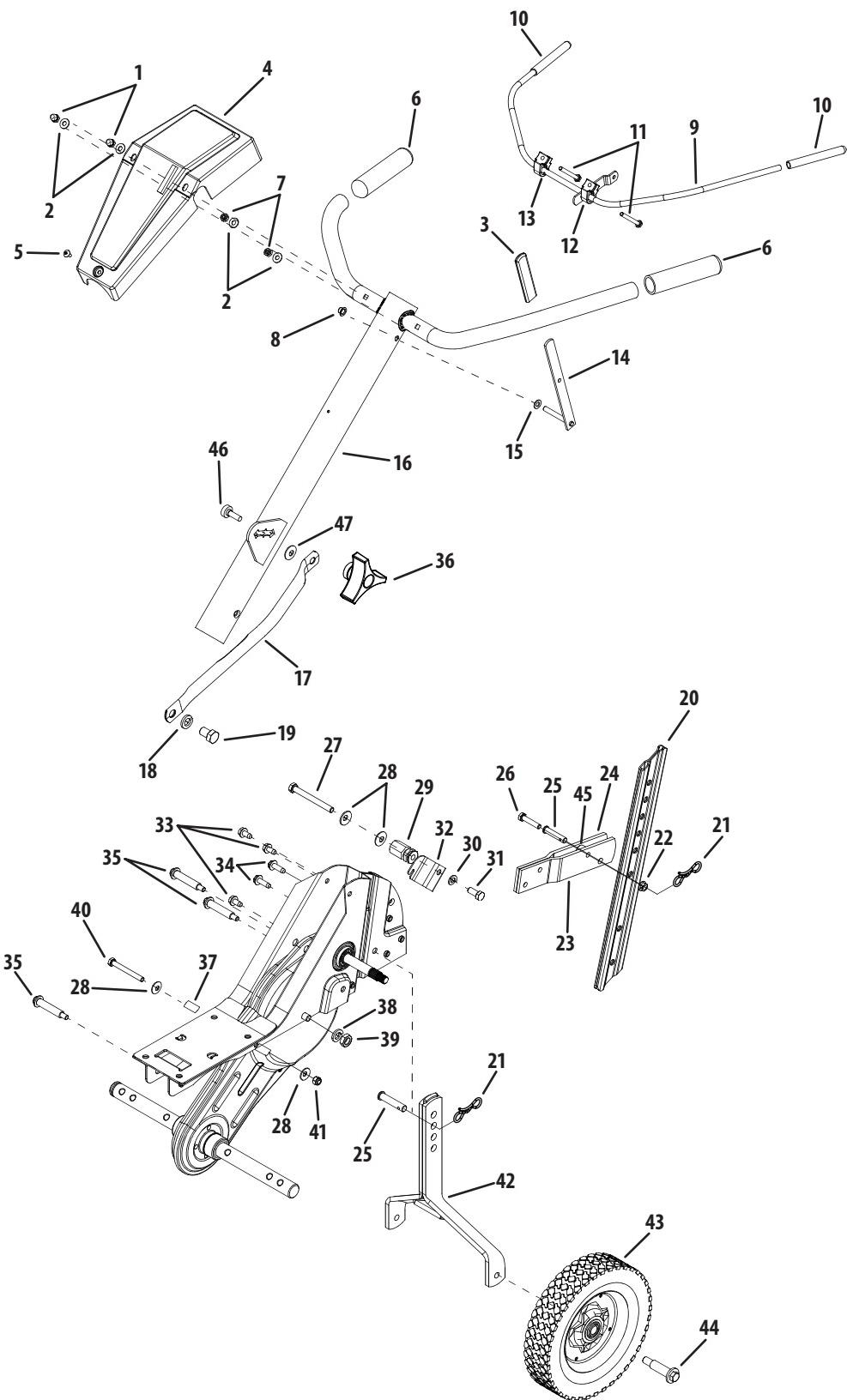
## Model Series 200



# Model Series 200

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	749-04282	Upper Handle	36	721-04157	Gasket
2	720-04072A	Star Handle Knob	37	686-04072	Depth Stake Assembly
3	749-04281	Lower Handle	38	710-1007	TT Screw: $\frac{5}{16}$ -18:7.5:GR5
4	710-04398	Flange Screw: $\frac{5}{16}$ -18:7.5:GR5	39	712-04063	Flange Lock Nut: $\frac{5}{16}$ -18
5	954-04123	V-Belt	40	710-0487	Carriage Bolt
6	756-04163	Idler Pulley	41	946-04626	Clutch Cable Fitting
7	748-04125	Shoulder Spacer	42	946-04626	Clutch Cable
8	686-04080	Idler Bracket	43	710-0599	TT Screw: $\frac{1}{4}$ -20:50
9	712-04065	Flange Lock Nut: $\frac{3}{8}$ -16	44	786-04307	Cable Mount Bracket
10	710-0654A	TT Screw: $\frac{3}{8}$ -16:1.00	45	747-04508	Clutch Bail
11	786-04303	Belt Cover	46	716-0208	Retaining Ring
12	710-0514	Hex Cap Screw: $\frac{3}{8}$ -16:1.00	47	936-0300	Flat Washer, .406 x .875 x .059
13	732-0418	Extension Spring	48	686-04130	Rear Wheel Tube Assembly
14	738-04139	Stud: 33 x 1.5: $\frac{3}{8}$ -16	49	714-3020	Cotter Pin
15	756-04217	Flywheel Pulley	50	726-0299	Push Cap
16	710-0591	Hex Cap Screw: $\frac{3}{8}$ -24:1.00	51	734-0973	Wheel 5 x 1.38
17	710-0520	Hex Cap Screw: $\frac{3}{8}$ -16:1.55	52	749-04265	Depth Stake Tube
18	786-04256	Tine Shield 61 cm	53	786-04296	Wheel Bracket
	786-04259	Tine Shield 40 cm (model 220)	54	649-04030	Upper Handle
19	911-0415	Clevis Pin	55	710-0136	Hex Head Cap Screw, $\frac{1}{4}$ -20 x 1.75
20	642-0005	Outer Tine Assembly LH	56	649-04029	Lower Handle
21	642-0003	Inner Tine Assembly LH	57	710-0189	Hex Head Cap Screw, $\frac{5}{16}$ -18 x 3.00
22	714-04043	Cotter Pin, Bow Tie	58	712-0324	Hex Lock Nut, $\frac{1}{4}$ -20
23	738-04172	Shoulder Screw: .31x2: $\frac{1}{4}$ -20	59	720-0269	Handle Grip
24	786-04232	Front Wheel Bracket	60	720-0274	Grip, 1.0 ID x 5.0 LG
25	710-0521	Hex Cap Screw: $\frac{3}{8}$ -16:3.00	61	647-04047	Clutch Bail
26	750-04578	Spacer	62	731-05095B	Bail Holder LH
27	734-04063A	Wheel 7x1.5 Star-Diam	63	731-05096B	Bail Holder RH
28	749-04204	Sleeve	64	731-05272	Handle Fitting
29	932-0384	Extension Spring	65	736-0242	Bell Washer, .340 x .872 x .060
30	712-04064	Flange Lock Nut: $\frac{1}{4}$ -20	66	936-0463	Flat Washer, .25 x .630 x .0515
31	710-0809	TT Screw: $\frac{1}{4}$ -20:1.25	67	946-04663	Clutch Cable
32	737-04202	Pipe Plug: $\frac{3}{8}$ NPT	68	786-0340B	Handle Crank
33	642-0002	Inner Tine Assembly RH	69	786-0341	Retainer Bracket
34	642-0004	Outer Tine Assembly RH	70	642-04032	Tine Assembly RH (model 220)
35	918-04276B	Case Assembly	71	642-04031	Tine Assembly LH (model 220)
	918-04271B	Case Assembly 40cm (model 220)			

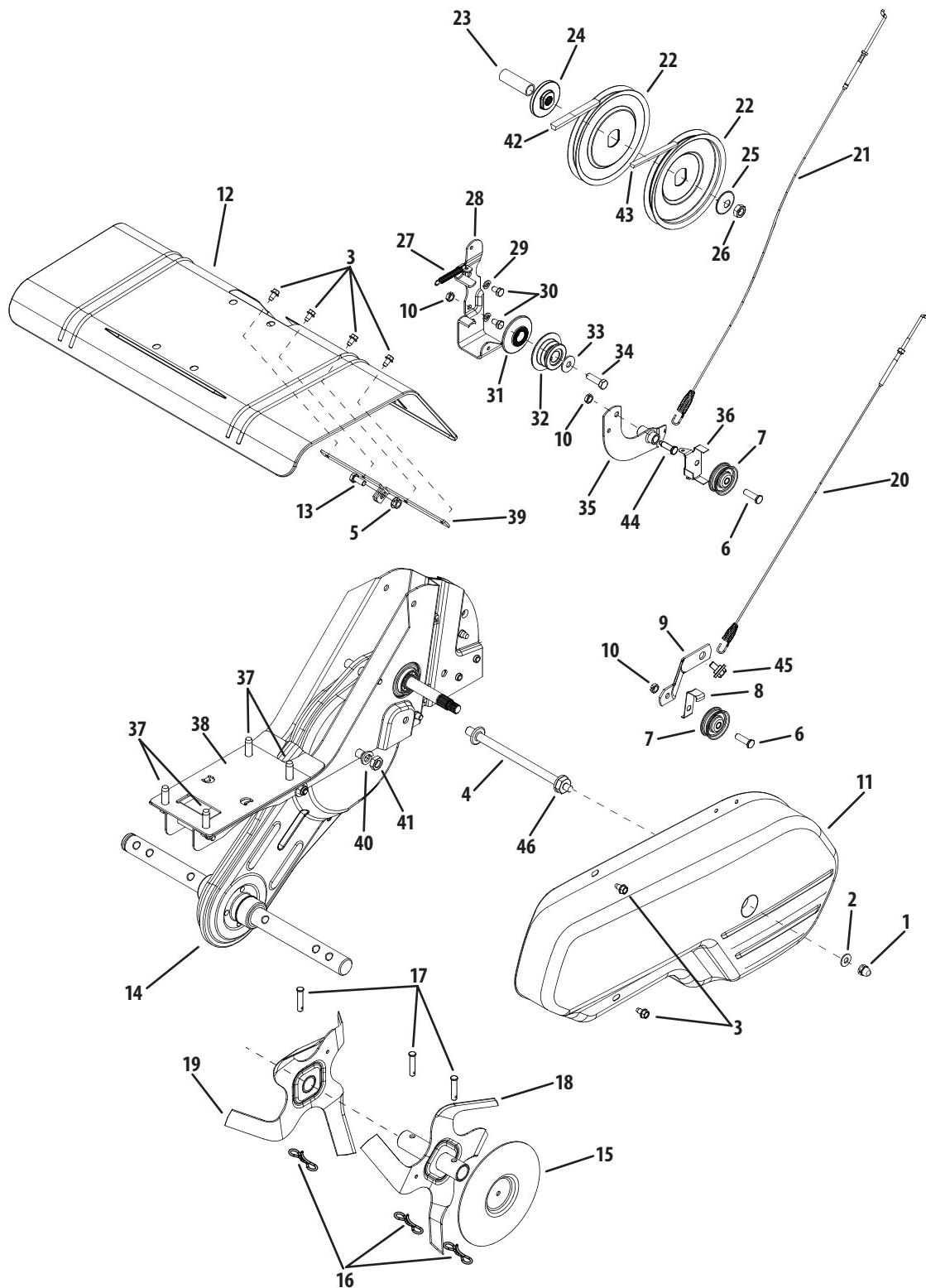
## Model Series 300



# Model Series 300

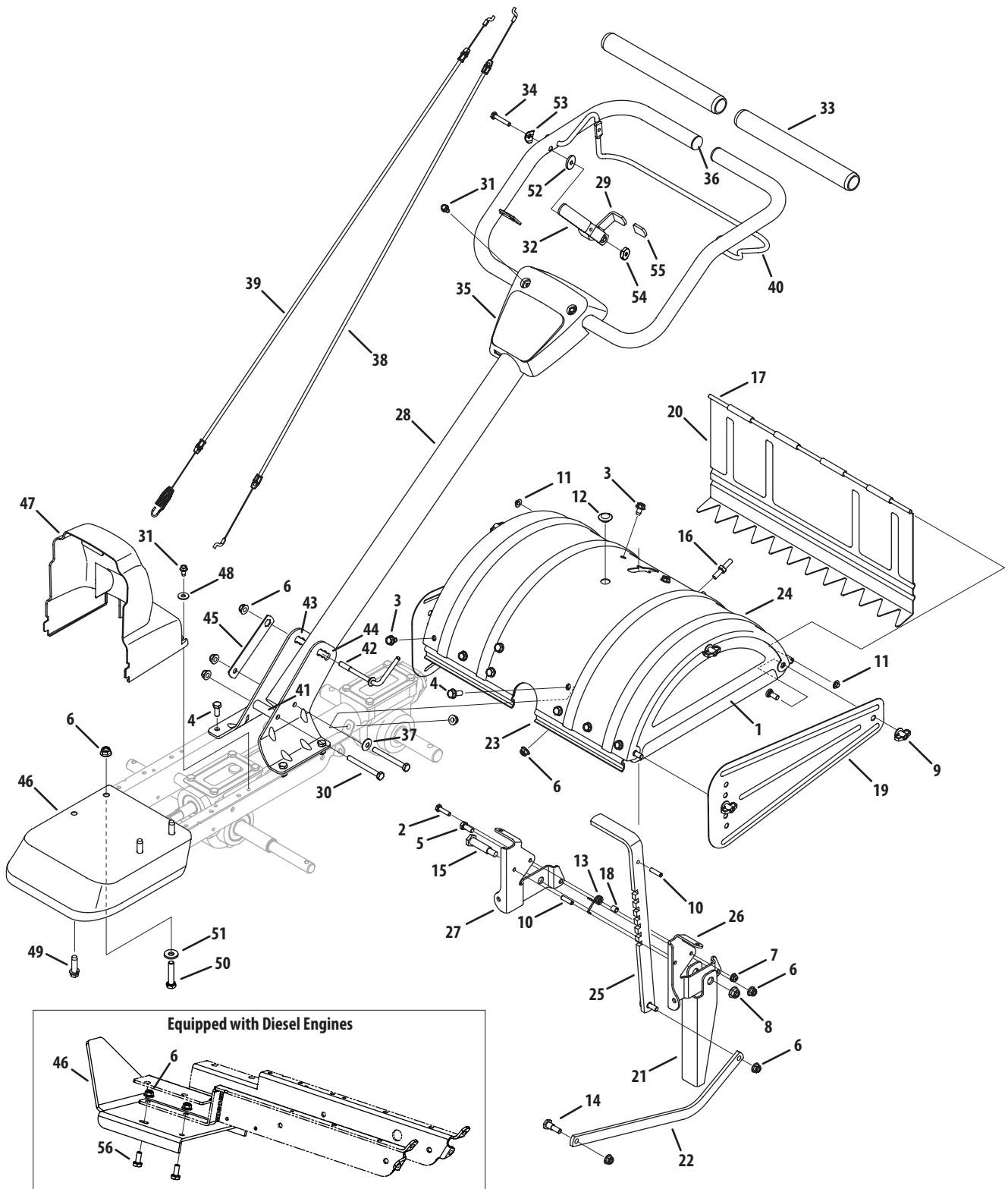
<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1.	912-0442	Acorn Lock Nut, 1/4-20	25.	911-0415	Clevis Pin
2.	936-3020	Flat Washer, .271" x .630"	26.	710-0805	Hex Bolt, 5/16-18 x 1.5"
3.	720-0270A	Reverse Handle Grip	27.	710-0189	Hex Bolt, 5/16-18 x 3"
4.	731-1600	Handle Cover w/o throttle	28.	736-0242	Bell Washer, .340" x .872"
5.	710-0779A	Truss Machine Screw, #10 x 1/2"	29.	711-1036A	Hex Nut
6.	720-0274	Handle Grip	30.	936-0119	L-Washer, 5/16"
7.	712-3006	Hex Nut, 1/4-20	31.	710-3008	Hex Bolt, 5/16-18
8.	726-0135	Cap Speed Nut	32.	786-0129	Cable Guide Bracket
9.	686-0083	Clutch Handle Assembly	33.	710-0604A	Hex Washer Screw, 5/16-18 x .62"
10.	720-0269	Clutch Grip	34.	710-0602	Hex Washer TT-Tap Screw
11.	710-0641	Hex Bolt, 1/4-20 x 2.25"	35.	738-0934	Shoulder Bolt, 5/16-18
12.	931-1645B	Clutch Handle Holder	36.	720-0195	Hand Knob
13.	936-0140	Flat Washer, .385" x .62"	37.	750-0470	Spacer
14.	686-0014C	Reverse Handle Assembly	38.	936-0171	Lock Washer, 7/16
15.	936-0264	Flat Washer, .344" x .62"	39.	912-0240	Jam Nut, 7/16-20
16.	649-04040	Handle Assembly Complete	40.	710-0176	Hex Bolt, 5/16-18 x 2.75"
17.	749-1401A	Handle Brace	41.	912-0429	Nylon Hex Nut, 5/16-18
18.	936-0921	Lock Washer, 1/2	42.	686-0081A	Wheel Hanger Bracket Assembly
19.	710-3194	Hex Bolt, 1/2-20	43.	734-1268	Wheel, 8 x 1.75
20.	786-0005	Depth Bar	44.	738-0929	Shoulder Screw, .496 x 1.445
21.	714-04043	Cotter Pin, Bow Tie	45.	750-0890	Spacer
22.	712-04063	Hex Flange L-Nut, 5/16-18	46.	710-1236	Carriage Bolt, 5/16-18 x 1
23.	786-0003	Tail Piece Bracket, Left	47.	736-0242	Bell Washer, .34"
24.	786-0004	Tail Piece Bracket, Right			

## Model Series 300



<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1.	712-0392	Hex L-Stop Nut, 1/4-28	23.	950-0892	Spacer, .64" x 2.4"
2.	936-3020	Flat Washer, 266" x .625"	24.	948-0350	Pulley Mounting Adapter
3.	710-0599	Hex Washer TT-Tap Screw, 1/4-20 x .5"	25.	736-0112	Bell Washer, 525" x 1.5"
4.	711-0920	Belt Cover Bolt	26.	712-3029	Hex Jam Nut, 1/2-20
5.	712-04063	Hex Flange Top L-Nut, 5/16-18	27.	732-0697	Return Spring
6.	710-3005	Hex Head Screw, 3/8-16 x 1.25"	28.	786-0040B	Reverse Bracket
7.	756-0313	Flat Idler Pulley, 2.12"	29.	936-0119	Lock Washer, 5/16
8.	786-0149	Idler Belt Keeper	30.	710-0237	Hex Bolt, 5/16-24 x .625"
9.	786-0144	Idler Bracket	31.	756-0971	Engine Inner Pulley
10.	712-0266A	Hex Center Jam Nut, 3/8-16	32.	756-0600	Reverse Engine Pulley
11.	786-0057	Belt Cover	33.	936-0452	Bell Washer, .396" x 1/14"
12.	786-0043A	Tine Shield	34.	710-1039	Hex Bolt, 3/8-24 x 1.00"
13.	710-3008	Hex Head Cap Screw, 5/16-18 x .75"	35.	686-0013	Reverse Arm Assembly
14.	986-0091	Chain Case Assembly Complete	36.	786-0041	Reverse Belt Keeper
15.	686-0106	Outer Disc Plate Assembly	37.	710-0502A	Hex L-Washer TT-Tap, 3/8-16 x 1.25"
16.	714-04043	Cotter Pin, Bow Tie	38.	786-0145A	Engine Plate
17.	911-0415	Clevis Pin	39.	786-0053	Tine Shield Bracket
18.	642-0023	Outer Tine Assembly, Left	40.	936-0171	L-Washer, 7/16"
—	642-0024	Outer Tine Assembly, Right	41.	912-0240	Hex Nut, 7/16-20
19.	642-0003	Inner Tine Assembly, Left	42.	954-0428	Forward Drive Belt, 1/2 x 41.9"
—	642-0002	Inner Tine Assembly, Right	43.	954-0429	Reverse Drive Belt, 3/8 x 45.68"
20.	946-0918	Forward Clutch Cable	44.	938-0102	Shoulder Screw, .498 x 1.445
21.	946-0953	Reverse Clutch Cable	45.	738-0930	Shoulder Screw, .560 x.165
22.	756-0585	Flat Pulley, 6"	46.	712-3004A	Flangelock Nut, 5/16 - 18

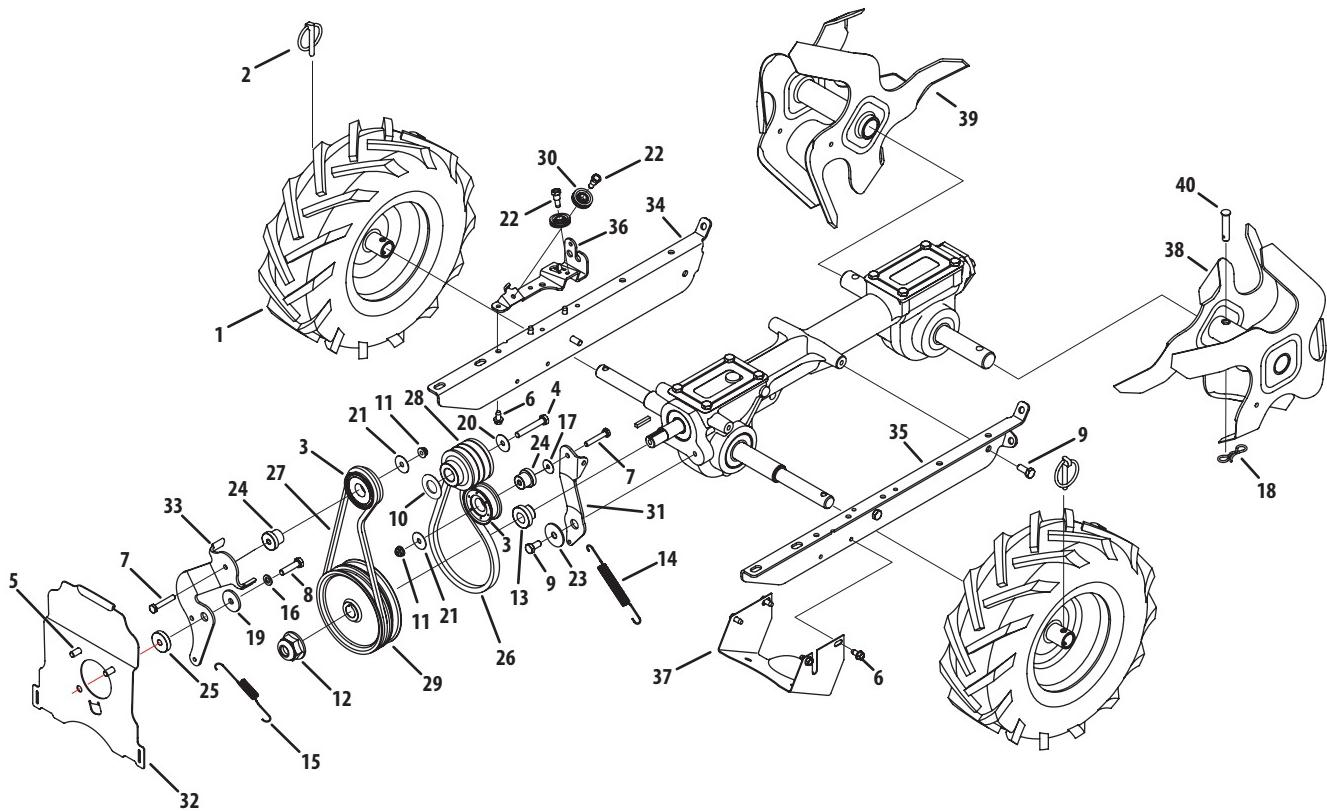
## Model Series 400



# Model Series 400

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1.	686-0044B	End Cover Assembly	30.	710-0189	Hex Head Screw, $\frac{5}{16}$ -18 x 3.00
2.	710-0597	Hex Head Screw, $\frac{1}{4}$ -20 x 1	31.	710-0599	Self-Tapping Screw, $\frac{1}{4}$ -20 x $\frac{1}{2}$
3.	710-0604A	Hex Head Screw, $\frac{5}{16}$ -18 x .625	32.	731-04735	Handle Select
4.	710-1238	Hex Head Screw, $\frac{5}{16}$ -18 x .875	33.	720-0278A	Foam Handle Grip
5.	710-3008	Hex Head Screw, $\frac{5}{16}$ -18 x .75	34.	710-3288	Hex Head Screw, $\frac{1}{4}$ -20 x 1.62
6.	712-04063	Nylon Hex Lock Nut, $\frac{5}{16}$ -18	35.	731-06253A	Handle Cover
—	712-0635	Hex Nut, M10 (Diesel)	36.	735-04105	Plug End
7.	712-04064	Nylon Hex Lock Nut, $\frac{1}{4}$ -20	37.	736-0242	Bell Washer, .340 x .872 x .060
8.	712-04065	Flange Lock Nut, $\frac{3}{8}$ -16	38.	946-04504	Reverse Cable
9.	712-0421	Wing Nut, $\frac{5}{16}$ -18	39.	946-04506	Forward Cable
10.	715-0108	Spirol Pin	40.	747-04789	Clutch Bail
11.	926-0106	Cap Nut, $\frac{1}{4}$ Rod	41.	750-0885A	Spacer, .322 x .625 x 2.00
12.	731-05512	Hole Plug	42.	786-0340B	Handle Crank
13.	732-04320	Torsion Spring	43.	786-04344	Handle Bracket, RH
14.	738-04320	Shoulder Screw, .405 x .435 $\frac{5}{16}$ -18	44.	786-04345	Handle Bracket, LH
15.	938-0533	Shoulder Screw, .498 x 1.635	45.	786-04358	Retainer Nut Bracket
16.	938-0849	Stop Screw	46.	786-04360	Front Bumper
17.	747-0432	Tiller Flap Rod	—	786-04451	Front Bumper (Diesel)
18.	750-05349	Spacer	47.	731-06529	Belt Cover
19..	786-0090A	Side Shield	48.	736-0173	Flat Washer, .28 x .74 x .063
20.	786-0113A	Rear Tine Shield	49.	710-0502A	SEMS Screw, $\frac{3}{8}$ -16
21.	786-04092	Reverse Stop Arm	50.	710-0805	Hex Head Screw, $\frac{5}{16}$ -18 x 1.50
22.	786-04104	Drag Bar	—	710-1641	Hex Head Screw, M10 x 1.5 (Diesel)
23.	786-04352A	Tine Shield Mounting Bracket	51.	736-04193	Bell Washer, .827 x .331 x .098
24.	786-04355A	Tine Shield	—	736-0686	Lock Washer (Diesel)
25.	786-04356	Adjustable Depth Bar	52.	936-0176	Flat Washer, .265 x .938 x .120
26.	786-04363	Tail Bracket, LH	53.	936-0451	Saddle Washer, .320 x .930 x .060
27.	786-04364	Tail Bracket, RH	54.	738-0440	Spacer, .375 x .165
28.	649-04098	Upper Handle Assembly	55.	720-04173	Reverse Handle Grip
29.	686-04135	Reverse Handle Assembly	56.	710-04750	Screw, 5/16-18 x .750 (Diesel)

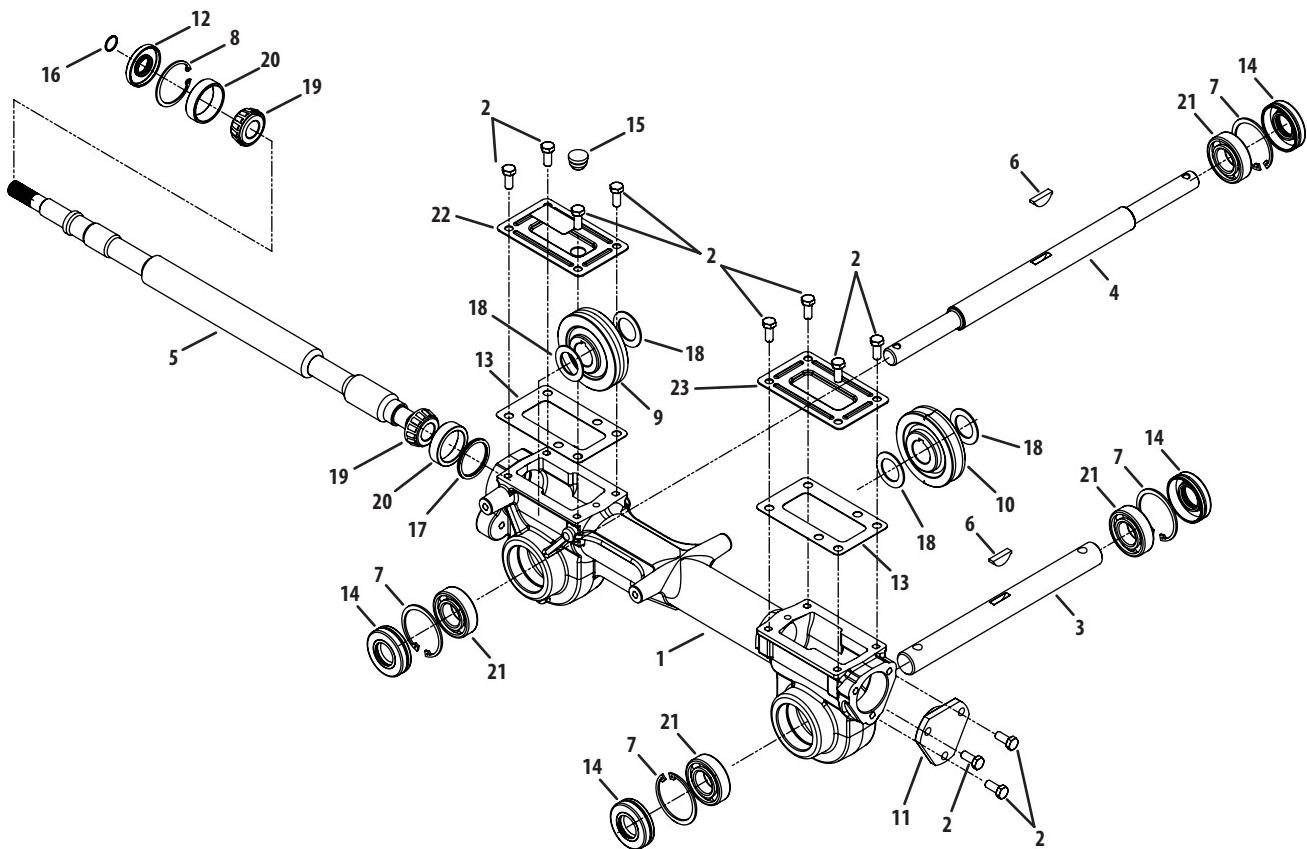
## Model Series 400



# Model Series 400

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1.	934-04232	Complete Whl. Ass., 13 x 5 x 6 (B, C)	21.	736-3092	Flat Washer, .265 x 1.0 x .030
2.	714-0143A	Klik Pin	22.	738-04425	Shoulder Screw, .342 x .335 1/4-28
3.	684-04168	Idler Pulley Assembly	23.	748-04087A	Pivot Idler Spacer
4.	710-0331	Hex Head Screw, 3/8-24 x 2.25	24.	750-04571	Shoulder Spacer, .260 x .785 x .538
—	710-05465	Hex Head Screw, M8 x 20.0 (Diesel)	25.	750-04907	Pivot Idler Spacer
5.	710-0170	Hex Head Screw, 5/16-24 x .625	26.	1916657	V-Belt, 4L x 25.375 Long
—	710-1681	Hex Head Screw, M8 x 1.25 (Diesel)	27.	1916658	V-Belt, 3L x 29.125 Long
6.	710-0599	Self Tapping Screw, 1/4-20 x .500	28.	756-04198A	Engine Pulley
7.	710-0606	Hex Head Screw, 1/4-20 x 1.50	29.	756-04355	Transmission Pulley
8.	710-0672	Hex Head Screw, 5/16-18 x 1.25	30.	756-0625	Cable Roller
—	710-1683	Hex Head Screw, M8 x 30.0 (Diesel)	31.	786-04312	Idler Bracket, Forward
9.	710-1880	Hex Head Screw, 5/16-18 x .75, Patch	32.	786-04343	Cover Plate
10.	736-0315	Washer, Flat, .760 x 1.50 x .120	33.	786-04346	Idler Bracket, Reverse
—	748-04291	Engine Spacer (Diesel)	34.	786-04416A	Mounting Frame, RH
11.	712-04064	Nylon Hex Lock Nut, 1/4-20	—	786-04450	Mounting Frame, RH (Diesel)
12.	712-0700	Nut, 9/16-18, Flange Lock	35.	786-04415B	Mounting Frame, LH
13.	718-04407	Hub, 5/8 Spline	—	786-04449	Mounting Frame, LH (Diesel)
14.	732-04085	Extension Spring, .480 OD X 5.00 LG	36.	786-04357	Pulley Bracket
15.	732-04276A	Extension Spring, LT5 PTO	37.	786-04371	Pulley Shield
16.	936-0119	Lock Washer, 5/16	38.	642-04071	Tine Assembly, LH
17.	736-0173	Washer, .28 x .74 x .063	—	642-04095	Tine Assembly, LH (International)
18.	714-04043	Cotter Pin, Bow Tie	39.	642-04072	Tine Assembly, RH
19.	736-0343	Flat Washer, .330 X 1.25 X .120	—	642-04096	Tine Assembly, RH (International)
20.	936-0452	Bell Washer, .396 x 1.140 x .095	40.	911-0415	Clevis Pin, .375 x 1.75

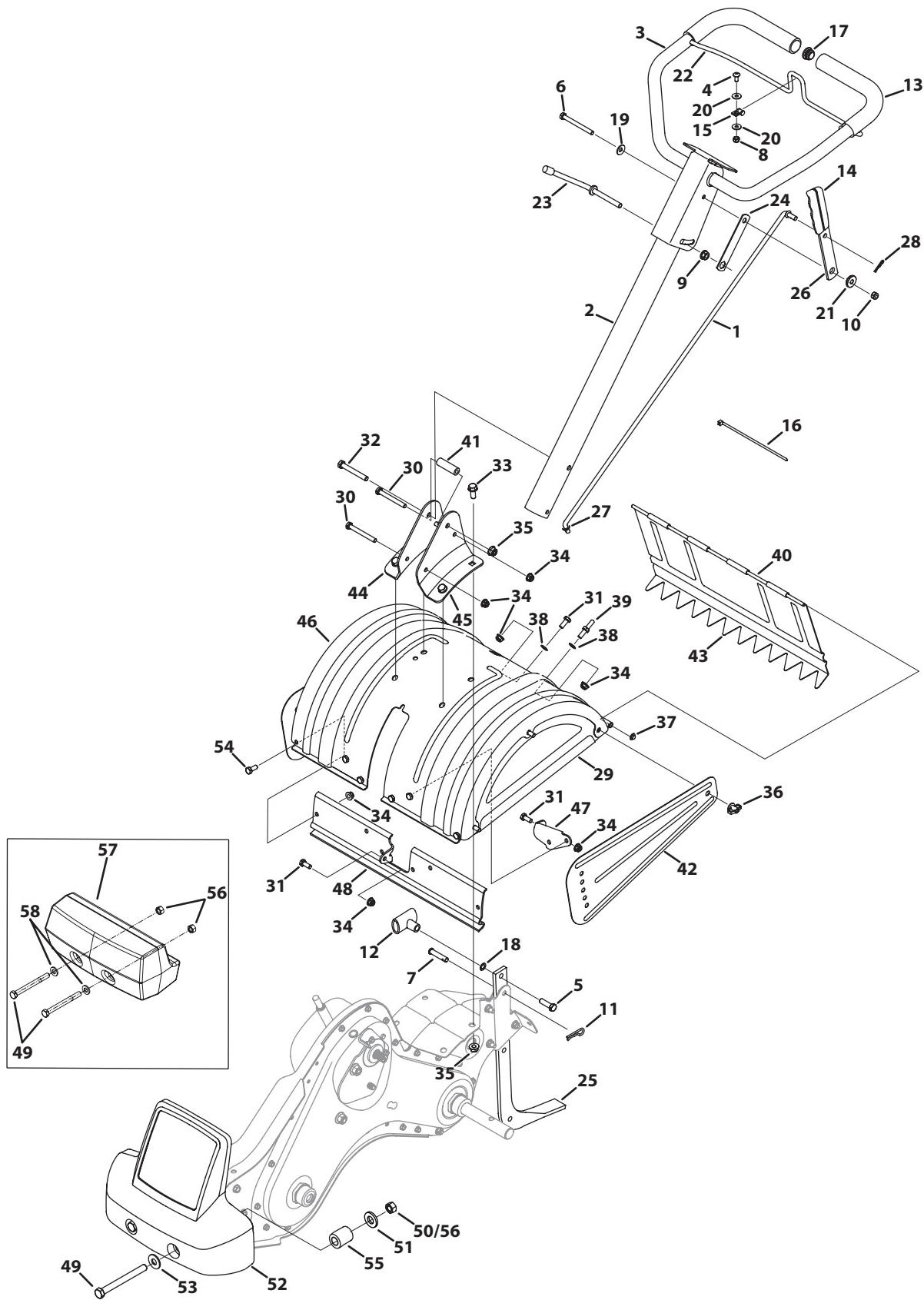
## Model Series 400



<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1.	918-04815A	Transmission Assembly
1.	919-04184A	Housing, Transmission
2.	710-3008	Hex Screw, 5/16-18, .75, Gr5
3.	911-04844	Shaft, Tiller
4.	911-04854	Shaft, Wheel
5.	911-05028	Shaft, Worm
6.	714-04059	Key, Hi Pro .25 x 1.062
7.	716-0204	Retaining Ring
8.	716-04102	Retaining Ring, Int
9.	917-04380	Worm Gear, 61t, RH
10.	917-04381	Worm Gear, 30t, LH
11.	918-04435	Bearing Cover
12.	921-04030	Seal, Oil, .750 Shaft x 1.783 Bore
13.	921-04229	Gasket, Gear Housing
14.	721-04232	Seal, Oil, 1.00 Shaft x 2.00 Bore
15.	721-04271	Rubber Plug, Oil
16.	732-0614	Wire Ring
17.	736-04305	Washer, Flat, 1.50 x 1.75 x .062
—	736-04306	Washer, Flat, 1.50 x 1.75 x .005
—	736-04307	Washer, Flat, 1.50 x 1.75 x .03
—	736-04308	Washer, Flat, 1.50 x 1.75 x .010
18.	736-0745	Washer, Flat, 1.010 x 1.56 x .060
19.	941-04298	Cone Bearing
20.	941-04299	Bearing Cup
21.	741-3114	Ball Bearing
22.	786-04366	Cover, Transmission
23.	786-04392	Cover, Transmission

\* — The flat washers listed are used as required to obtain .005 to .015 in allowable end play on the drive shaft.

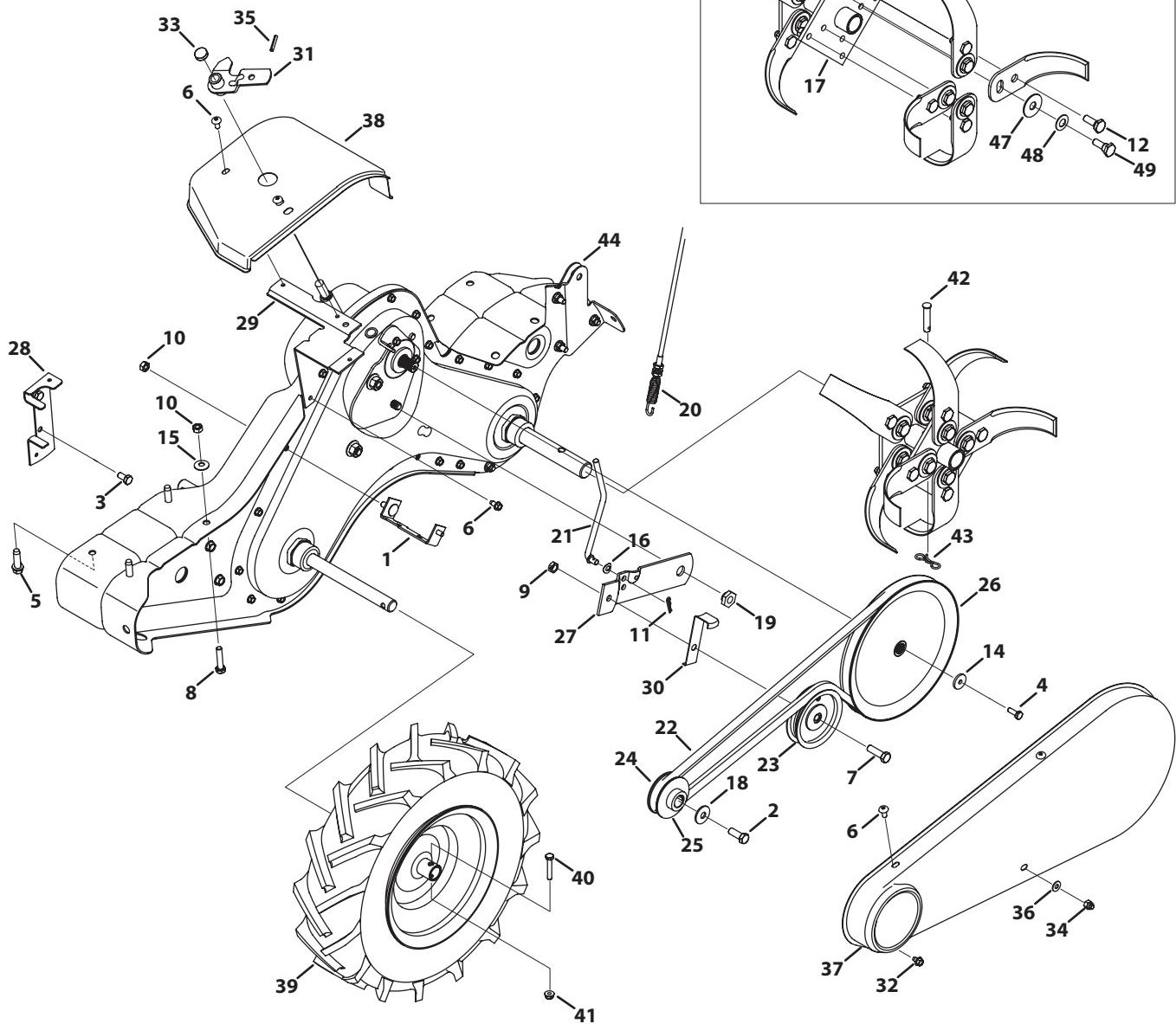
## Model Series 450



## Model Series 450

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	
1	747-1152	Shaft Rod	31	710-3008	Hex Head Screw, 5/16-18 x .75	
2	649-0034	Lower Handle Tube Assembly	32	710-3022	Hex Head Screw, 3/8-16 x 2.75	
3	649-0041	Upper Handle Assembly	33	710-04482	Hex Head Flange, 3/8-16 x .875	
4	710-0946	Screw, 1/4-20 x 0.625	34	712-04063	Flangelock Nut, 5/16-18	
5	710-3005	Hex Head Screw, 3/8-16:1.25	35	712-04065	Flangelock Nut, 3/8-16	
6	710-3056	Hex Head Screw, 5/16-18 x 3.25	36	712-0421	Wing Nut, 5/16-18 W/ Bell Washer	
7	911-0415	Clevis Pin, .375 X 1.75	37	926-0106	Speed Nut Cap, 1/4 ROD	
8	712-0324	Hexlock Nut, 1/4-20	38	736-0204	Washer, Flat, .344 x .62 x .033	
9	712-0379	Flangelock Nut, 3/8-24	39	938-0849	Screw, Hex, 5/16-18 x .75	
10	912-0429	Hexlock Nut, 5/16-18	40	747-0432	Tiller Flap Rod	
11	714-0147	Cotter Pin, .125 X 1.75 INTERNAL	41	750-0885A	Spacer, .322 x .625 x 2.00	
12	720-0210A	Small Tee Knob	42	786-0090A	Side Shield	
13	720-0278A	Foam Grip, .970 x 11.0	43	786-0113A	Rear Tine Shield	
14	720-0313	Grip, .1875 x 1.00	44	786-0176	RH Handle Mount Bracket	
15	726-0273	Battery Clamp, 5/16	45	786-0177	LH Handle Mount Bracket	
16	726-0317	Cable Tie, 8.5 LG	46	786-0178A	Tine Shield	
17	735-0246A	End Plug	47	786-0179	FRT Tine Shield Bracket	
18	936-0117	Washer, Flat, .385 x .620 x .033	48	786-0180	FRT Tine Shield Spacer Bracket	
19	736-0242	Washer, Bell, .340 x .872 x .060	49	710-0382	Hex Head Screw, 1/2-13 x 5.00	
20	736-3090	Washer, Flat, .260 x .720 x .060	50	710-0506	Hex Head Screw, 1/2-13 x 5.50	
21	938-0958	Spacer, Shoulder, .50 x .190 x .360 LG	51	912-0206	Hex Nut, 1/2-13	
22	747-1219	Clutch Bail	52	912-3058	Hex Nut, 1/2-20	
23	784-0190	Handle Adjustment Crank	53	936-0326	Washer, 1/2 x 1.25 x .10	
24	784-0191	Hex Nut Retainer Bracket	54	731-1595	Counterweight	
25	786-0120	Tiller Depth Control	55	936-0179	Washer, Flat, 1/2 x 1.25 x .100	
26	786-0181	Shaft Rod Lever	56	710-0376	Hex Head Screw, 5/16-18 x 1.00	
27	735-0127	Washer, Rubber, .33 ID x .87 OD x .125	57	750-0194	Hub, .636 ID x 1.00 OD x .94	
28	914-0104	Cotter Pin, .072 x 1.12 LG	58	712-04150	Flange Lock Nut, 1/2-13	
29	686-0044B	End Cover Assembly		59	723-0381	Counterweight, 40 lbs.
30	710-0176	Hex Head Screw, 5/16-18 x 2.75		60	936-0326	Flat Washer

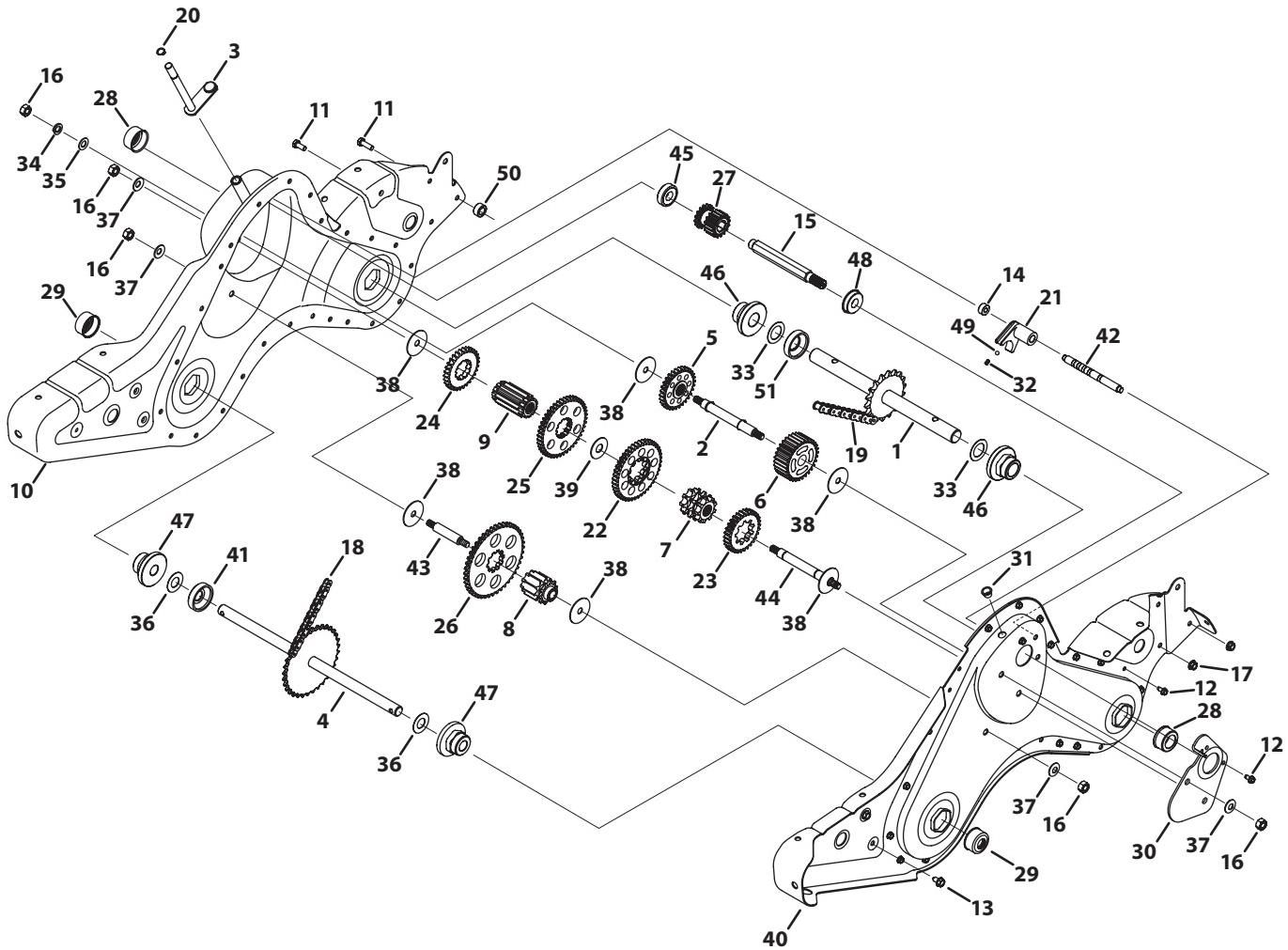
## Model Series 450



# Model Series 450

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	686-0111	Belt Cover Bracket Assembly	26	756-1162	Input Pulley, 4L x 8.594
2	710-1039	Hex Head Screw, 3/8-24 x 1.00	27	786-0064A	Idler Pulley Bracket
3	710-0170	Hex Bolt, 5/16-24 x .625	28	786-0185A	Belt Keeper Bracket, B&S 6.5 HP
4	710-0513	Hex Bolt, 1/4-28 x .75"	29	786-0187	Shift Cover Bracket
5	710-0502A	Screw, 3/8-16 x 1.250	30	786-0193	Idler Belt Keeper
6	710-1652	Hex Washer Screw	31	686-0109A	Shift Crank Assembly
7	710-3005	Hex Head Screw, 3/8-16 x 1.25	32	710-0653	Screw, 1/4-20:0.375
8	710-0805	Hex Head Screw, 5/16-18 x 1.50	33	731-07556	Cap
9	712-0266A	Jamlock Nut, 3/8-16	34	712-0392	Lock Nut, Cap, 1/4-28
10	712-04063	Flangelock Nut, 5/16-18	35	715-0120	Spiral Pin, 3/16 x 1.00
11	914-0104	Cotter Pin, .072 DIA. x 1.13 LG	36	936-3020	Washer, Flat, .271x .630 x .065
12	938-0689	Screw, Shoulder, 3/8-24 x 1/2 x .180	37	784-0158A	Belt Cover
13	742-0305A	Articulating Tine	38	784-0208D	Shift Cover
14	936-0176	Washer, Flat, .265 x .938 x .120	39	934-04231	Wheel, 16 x 4.6 x 8
15	736-0242	Washer, Bell, .340 x .872 x .060		934-04233	Wheel, 14 x 4.5 x 6
16	936-0271	Washer, Spring, .317 x .625 x .020	40	710-05289	Hex Head Screw, 1/4-20 x 1.50
17	784-0160	Tine Adaptor Assembly	41	712-04064	Flangelock Nut, 1/4-20
18	936-0452	Washer, Bell, .396 x 1.140 x .095	42	911-0415	Clevis Pin, .375 x 1.75
19	738-0876A	Shoulder Nut, 7/16-20	43	714-04043	Cotter Pin, Bow-Tie
20	946-1117	Clutch Cable	44	986-04074B	Complete Gear Case Assembly
21	747-1159	Idler Pulley Rod	45	712-3054	Hexlock Nut, 3/8-24
22	954-0434	Belt, 4L x 58.16 LG	46	936-0169	Washer, Lock, 3/8
23	756-0405	Flat Idler Pulley w/ Flanges, 3.75 O.D.	47	936-0208	Washer, Flat, .51 x 1.5 x 0.07
24	756-0971	Engine Pulley, Inner Half	48	936-0253	Washer, Bell, .525 x 1.00 x .050
25	756-0972	Engine Pulley, Outer Half	49	938-0688	Screw, Shoulder, 3/8-24 x 1/2 x .325

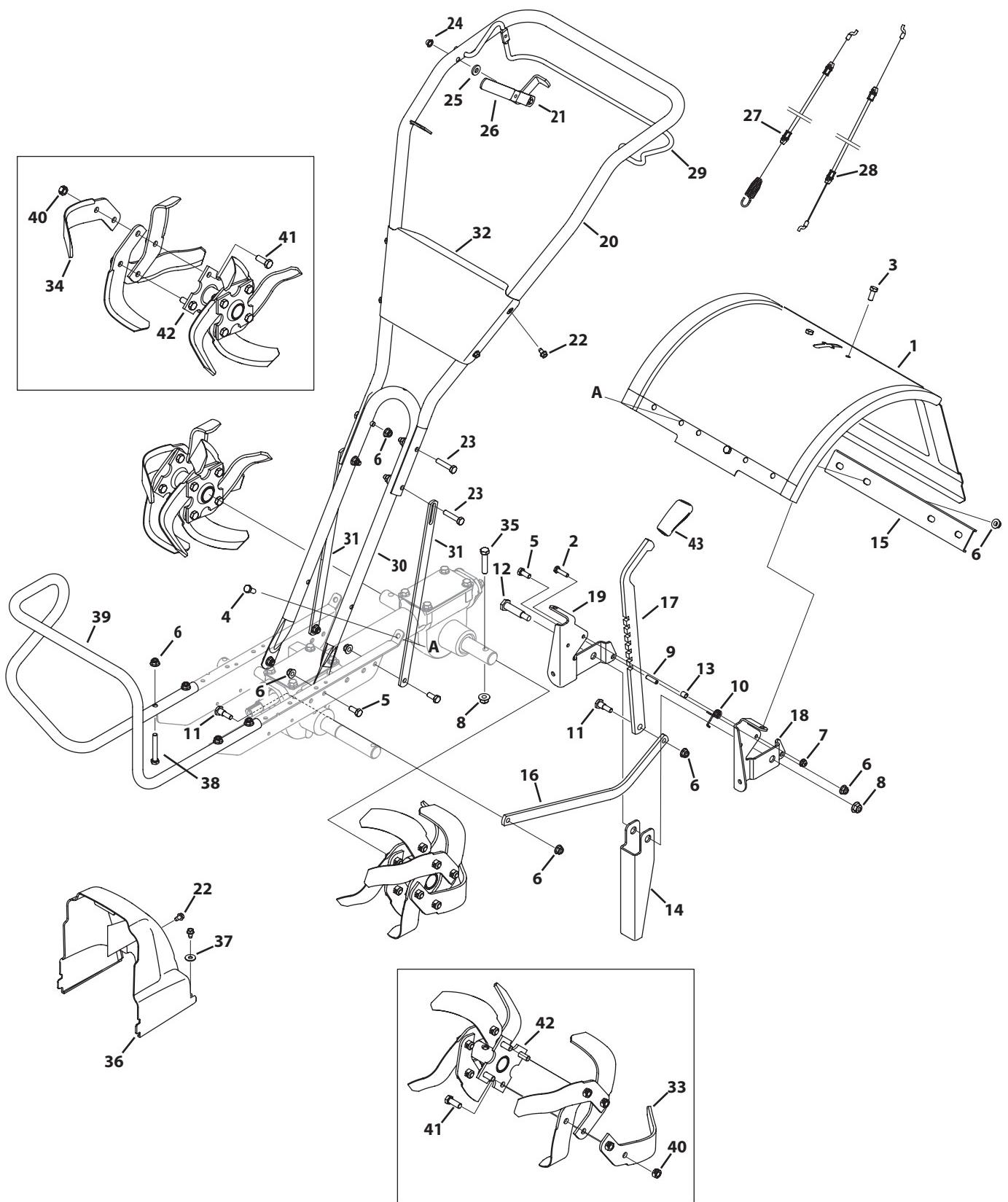
## Model Series 450



# Model Series 450

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	611-0021	Shaft Assembly, Tine, 18T	27	717-1594	Gear Spur, 16T
2	611-0128	Shaft Assembly, Jack	28	921-0378	Shaft Seal, 1.0
3	611-0129	Shaft Assembly, Shift Input	29	721-0379	Shaft Seal, .75
4	611-04074A	Shaft Assembly, Wheel, 33T	30	786-0238	Positioner Gear Bracket
5	617-0058	Gear Assembly, 30T Reverse Idler	31	726-0277	Tapered Cap Plug
6	617-0059	Gear Assembly, 30T Tine Idler	32	732-04778	Compression Spring, .230 OD
7	617-0060	Sprocket Assembly, 9T Tine Input	33	936-0163	Washer, Flat, 1.03 x 1.62 x .03
8	617-0061	Sprocket Assembly, 10T Whl Input	34	936-0171	Washer, Lock, 7/16
9	617-0062	Gear Assembly, 11T	35	936-0226	Washer, Flat,.474 x .879 x .064
10	686-0108A	RH Chain Case Housing Assembly	36	936-0351	Washer, Flat,.760 ID x 1.50 OD
11	710-0376	Hex Head Screw, 5/16-18 x 1.00	37	736-0407	Washer, Bell,.45 x 1.00 x .062
12	710-1652	Screw, 1/4-20 x 0.625	38	736-0518	Washer, Thrust, .445 x 1.92 x .060
13	710-04484	Screw, :5/16-18 x 0.75	39	736-3088	Washer, Flat,1.595 x .635 x .062
14	750-0664	Spacer, .505 ID x .88 OD x .440	40	686-04129	LH Chain Case Housing
15	711-1349A	Input Shaft, .75	41	950-0671	Spacer, .75 x 2.0 x .50
16	712-0378	Nut, Hex, 7/16-20	42	738-0645	Shaft Detent, .5 DIA
17	712-04063	Nut, Flangelock, 5/16-18	43	738-0648	Shaft, Jack, .625 x 2.385
18	913-0367	Endless Chain, #420 x 50 Links	44	738-04424A	Shaft, Jack, .6250 x 5.0050
19	913-0484	Endless Chain, #50 x 54 Links	45	941-0600	Ball Bearing, 17 x 40 x 12:6203
20	716-0865	Snap Ring, .500	46	941-0420	Flange Bearing, 1.0 x 2.5 x 1.38
21	717-0853A	Clutch Collar	47	741-0421	Flange Bearing, .75 x 2.5 x 1.38
22	717-1582A	Gear Spur, 44T	48	941-0563	Ball Bearing, 17 x 40 x 12:6203
23	717-1583	Gear Spur, 30T	49	741-0862	Ball, Detent, .250
24	717-1584	Gear Spur, 30T	50	750-0258	Spacer, .315 x .750 x .375 LG
25	717-1585	Gear Spur, 44T	51	950-0570	Spacer, 1.0 ID x 2.0 OD x.5 LG
26	717-1587	Gear Spur, 44T			

## **Model Series 640 & 650**

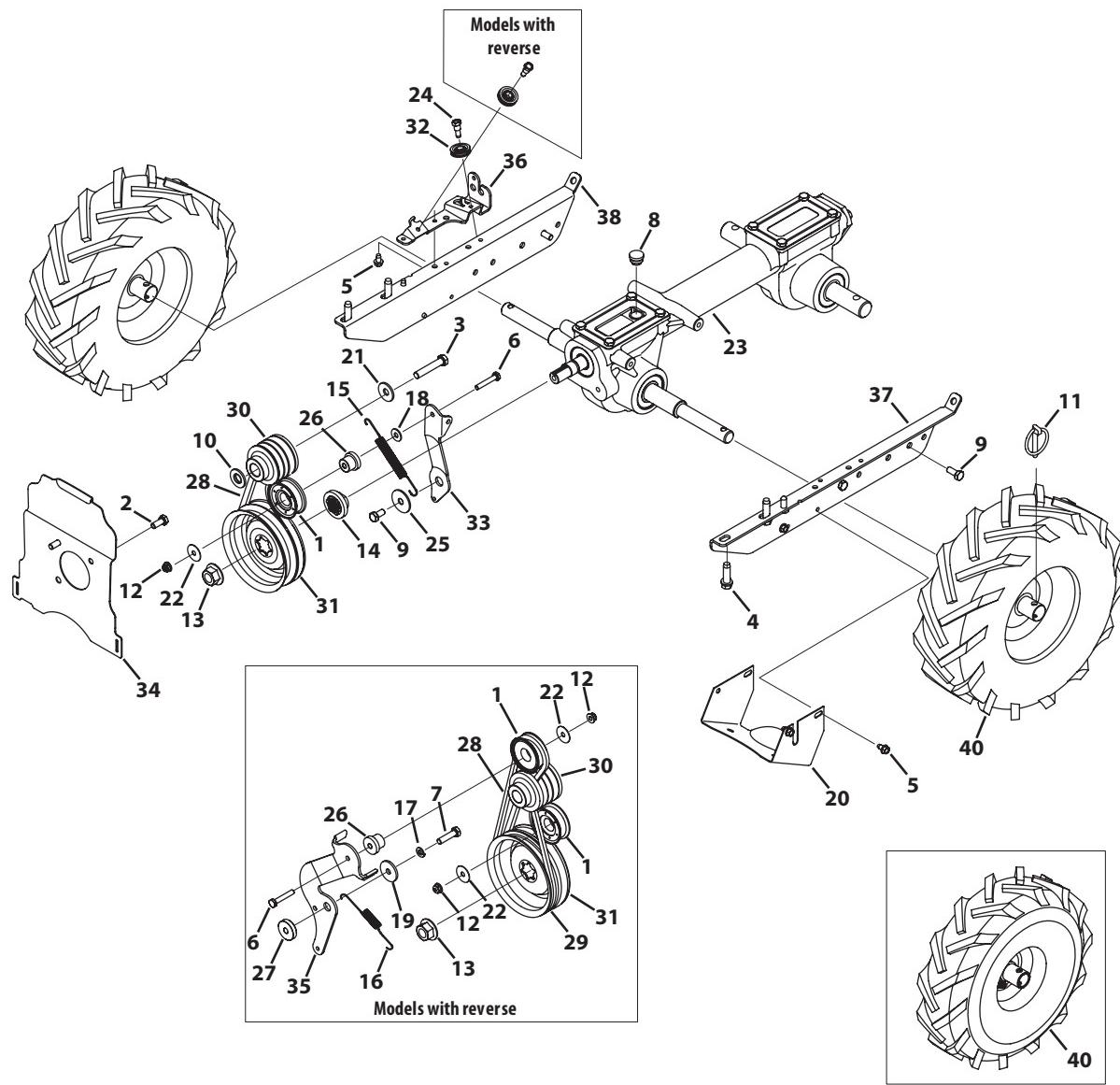


## Model Series 640 & 650

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1*	686-04077A	Tine Shield Assembly	23	710-0805	Hex Head Screw, 5/16-18 x 1.50
1	686-04076A	Tine Shield Assembly	24*	726-0135	Cap Nut, .3125 Dia.
2	710-0597	Hex Head Screw, 1/4-20 x 1.00	25*	936-3008	Flat Wahser, .344 x .750 x .120
3	710-0604A	Screw, 5/16-18 x 0.625	26*	720-0270A	Reverse Handle Grip
4	710-1238	Hex Head Washer, 5/16-18 x .875	27	946-04413	Forward Cable
5	710-3008	Hex Head Screw, 5/16-18 x .75	28*	946-04414	Reverse Cable
6	712-04063	Flangelock Nut, 5/16-18	29	747-04789	Clutch Bail
7	712-04064	Flangelock Nut, 1/4-20	30	749-04208	Lower Handle
8	712-04065	Flangelock Nut, 3/8-16	31	786-04188	Support Handle Bracket
9	715-0108	Spring Pin, 1/4 DIA x 1.00 LG	32	786-04200	Handle Panel
10	732-04320	Torsion Spring	33	742-04226	LH Bolo Tine
11	738-04320	Screw, Shoulder, 5/16-18 x .405 x .435	34	742-04227	RH Bolo Tine
12	938-0533	Screw, Shoulder, \$r .498 x 1.635	35	710-0347	Hex Head Screw, 3/8-16 x 1.75
13	750-05349	Spacer, Split, .350 x .268 x .375	36	731-06170	Belt Cover
14	786-04092	Stop Reverse Arm	37	736-0173	Washer, Flat, .28 x .74 x .063
15	786-04098	Support Channel Bracket	38*	710-0395	Hex Head Screw, 5/16-18 x 2.25
16	786-04104	Depth Drag Bar	39*	749-04193	Bumper
17	786-04292A	Depth Adjuster Bar	40	912-3000	Nut, Hexlock, 3/8-16
18	786-04363	LH Tail Bracket	41	710-0514	Hex Head Screw, 3/8-16 x 1.00
19	786-04364	RH Tail Bracket	42*	686-04065	Tine Holder Assembly
20	649-04066	Upper Handle Assembly	42	686-04066	Tine Holder Assembly
21*	686-04098	Reverse Handle Assembly	43	720-04163	Handle Grip
22	710-0599	Screw, 1/4-20 x 0.500			

\* 650 Series

## Model Series 640 & 650

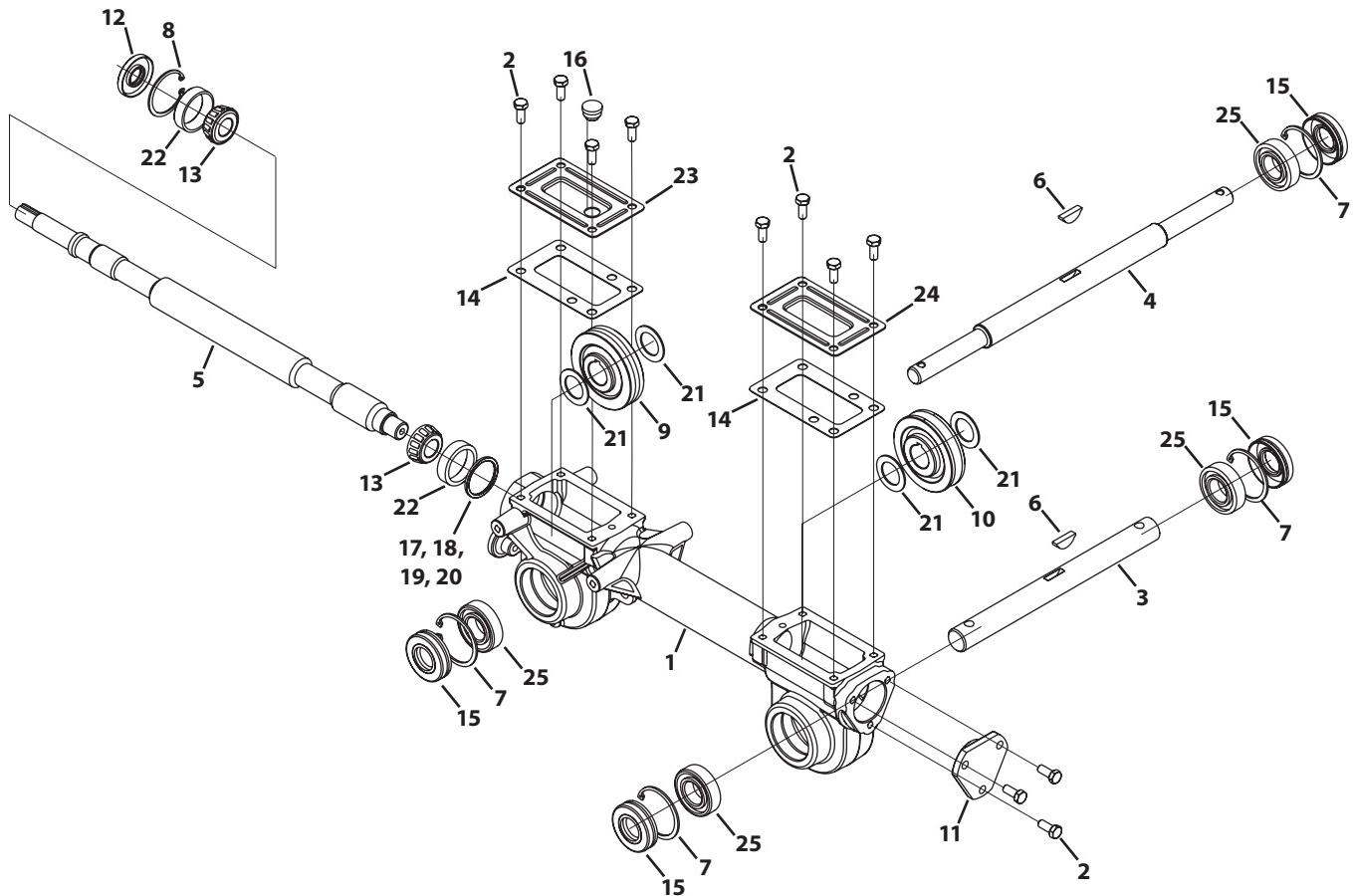


## Model Series 640 & 650

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	684-04168	Idler Pulley Assembly, 1.917 OD	21	936-0452	Washer, Bell, .396 x 1.140 x .095
2	710-0170	Hex Head Screw, 5/16-24 x .625	22	736-3092	Washer, Flat, .265 x 1.0 x .030
3	710-0151	Hex Head Screw, 3/8-24 x 2.00	23	753-06042A	Transmission Assembly
4	710-0502A	Screw, 3/8-16 x 1.250	24	738-04425	Screw, Shoulder, 1/4-28 x .342 x .335
5	710-0599	Screw, 1/4-20 x 0.500	25	748-04087A	Forward Idler Pivot Spacer
6	710-0606	Hex Head Screw, 1/4-20 x 1.50	26	750-04571	Spacer, Shoulder, .260 x .785 x .538
7	710-0672	Hex Head Screw, 5/16-24 x 1.25	27	750-04907	Reverse Idler Pivot Spacer
8	721-04271	Oil Plug	28	1916657	V Belt, 4L x 25.375 LG
9	710-1880	Hex Head Screw, 5/16-18 x .75, Patch	29	1916658	V Belt, 3L x 29.125 LG
10	736-0315	Washer, Flat, .760 x 1.50 x .120	30	756-04198A	Engine Pulley, 3L & 4L, Honda
11	714-0143A	Klik Pin, .25 DIA x 1.56	31	756-04355	Transmission Pulley
12	712-04064	Flangelock Nut, 1/4-20	32	756-0625	Cable Roller
13	712-0700	Flange Nut, 9/16-18	33	786-04312	Forward Idler Bracket
14	718-04407	Pulley Hub, 5/8 SPLINE	34	786-04343	Cover Mounting Plate
15	732-04085	Extension Spring, .480 OD x 5.00 LG	35	786-04346	Reverse Idler Bracket
16	732-04276A	Extension Spring, LT5 PTO	36	786-04357	Pulley Mounting Bracket
17	936-0119	Washer, Lock, 5/16	37	786-04419A	LH Mount Frame
18	736-0173	Washer, Flat, .28 x .74 x .063	38	786-04418A	RH Mount Frame
19	736-0343	Washer, Flat, .330 x 1.25 x .120	39	934-04232	Wheel, 13 x 5 x 6
20	786-04371	Pulley Shield	*	934-04453	Wheel Assembly, 11 x 4-4

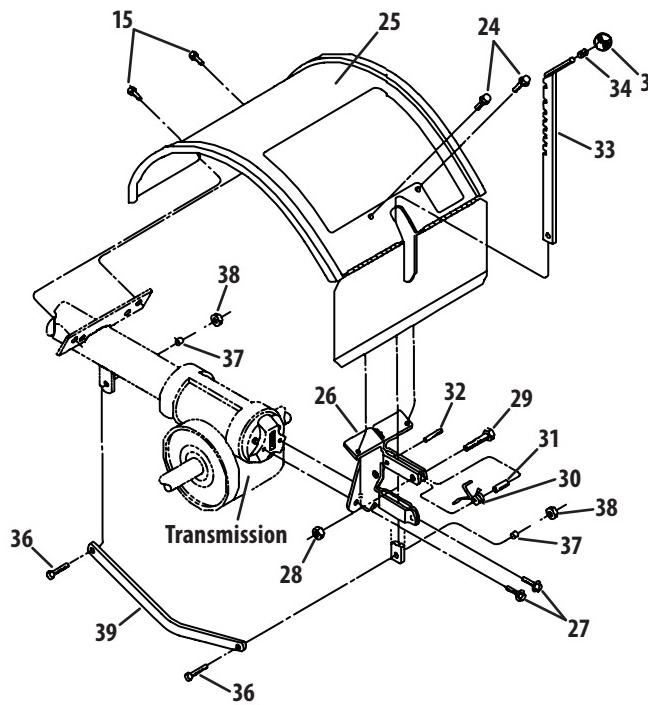
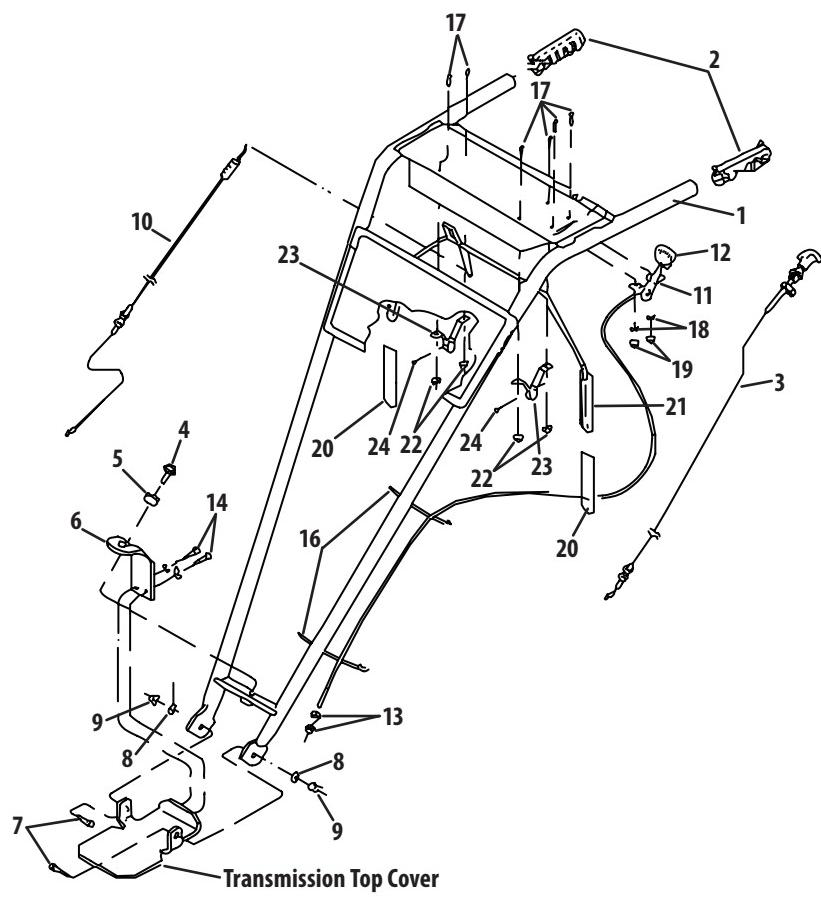
\* 640 Series

## Model Series 640 & 650



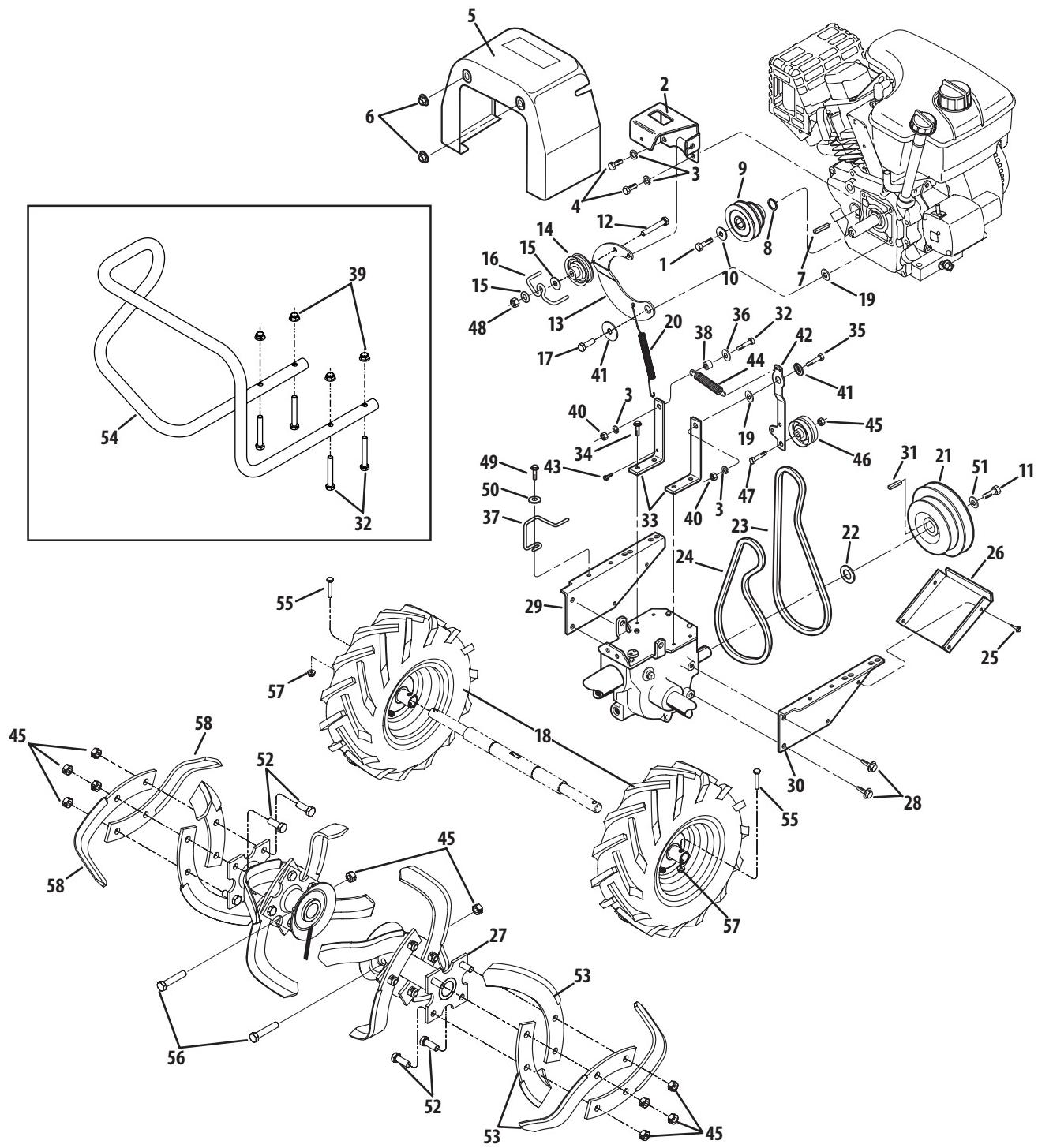
<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	919-04202B	Transmission Housing
2	710-3008	Hex Head Screw, 5/16-18 x .75
3	911-04844	Tiller Shaft
4	911-04854	Wheel Shaft
5	711-05035	CRT Drive Shaft
6	714-04059	Key, .25 x 1.062
7	716-0204	Retainer Ring
8	716-04102	Retainer Ring
9	917-04380	RH Gear Worm, 61T
10	917-04381	LH Gear Worm, 30T
11	918-04435	Bearing Cover
12	921-04030	Oil Seal, .750 SHF x 1.783 BORE
13	941-04298	Cone Bearing
14	921-04229	Gear Housing Gasket
15	721-04232	Oil Seal, 1.00 SHF x 2.00 BORE
16	721-04271	Rubber Oil Plug
17	736-04305	Washer, Flat, 1.50 x 1.75 x .062
18	736-04306	Washer, Flat, 1.50 x 1.75 x .005
19	736-04307	Washer, Flat, 1.50 x 1.75 x .03
20	736-04308	Washer, Flat, 1.50 x 1.75 x .010
21	736-0745	Washer, Flat, 1.010 x 1.56 x .060
22	941-04299	Cup Bearing
23	786-04366	Tiller Transmission Cover
24	786-04392	Tiller Transmission Cover
25	741-3114	Ball Bearing, 1 x 52 x 15 x 6205-1

## Model Series 660



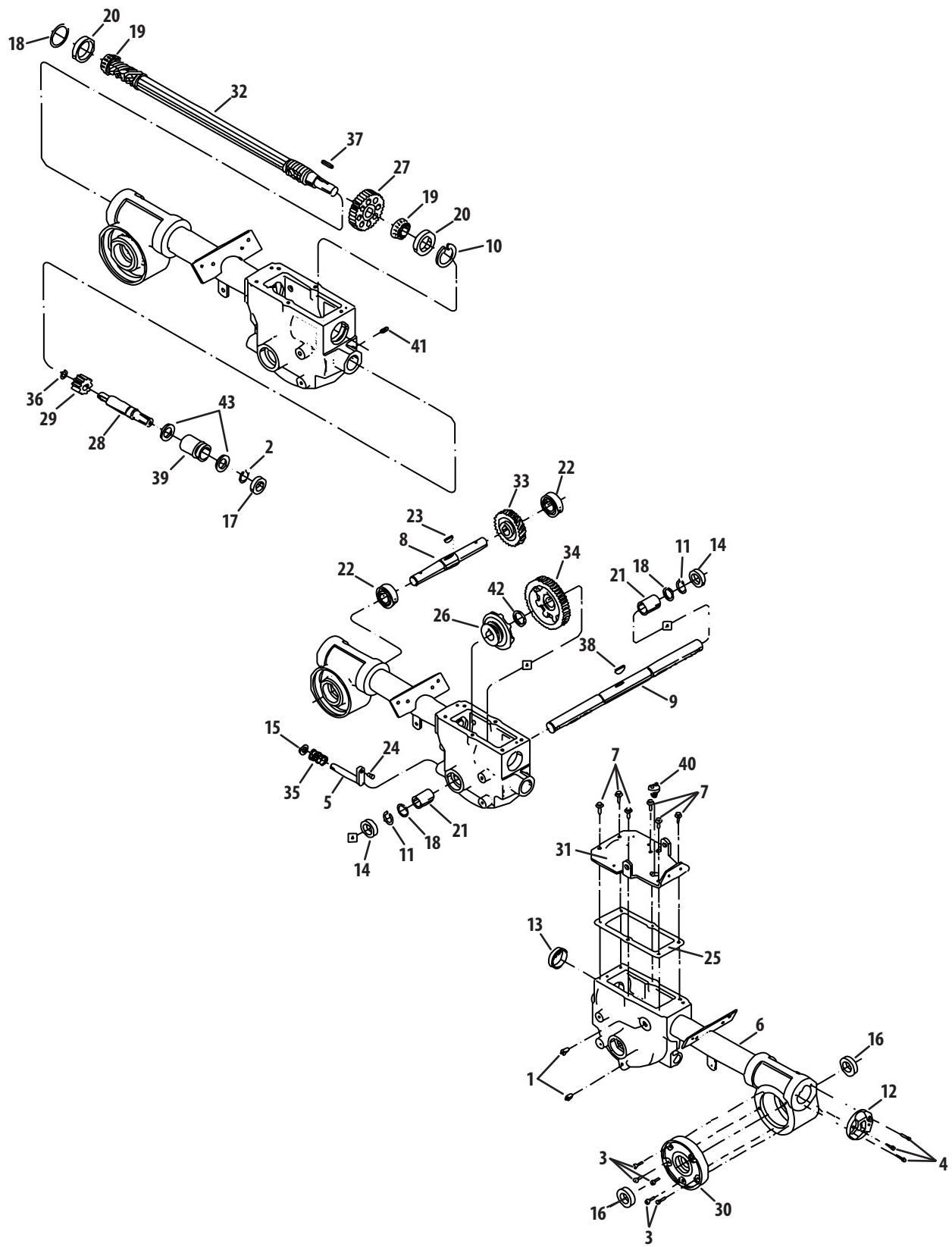
<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1.	1918811P	Handlebars
2.	720-0274	Grip
3.	1916784P	Reverse Clutch Control Cable
4.	710-04042	Hex Flange Screw, 3/8-16
5.	736-04445	Keyed Washer
6.	1900475010	Handlebar Hgt. Adjustment Bracket
7.	710-0514	Hex Hd. Screw, 3/8-16 x 1
8.	736-3050	Plain Washer, 3/8
9.	912-3000	Hex Locknut, 3/8-16
10.	946-04027	Forward Clutch Control Cable
11.	GW-9442P	Wheel Gear Control & Cable Ass.
12.	GW-9057	Wheel Gear Control Lever Knob
13.	1186211	Hex Nut, 5/16-24
14.	710-0623	Self-tapping Screw, 3/8-16 x 3/4
15.	710-0759	Self-tapping Screw, 5/16-18 x 5/8
16.	725-0157	Cable Ties
17.	1114748	Round Head Screw, #10-32 x 1/2
18.	936-0722	Lockwasher, #10
19.	1186208	Hex Nut, #10-32
20.	GW-9390	Grip
21.	1918840	Forward Clutch Bail
22.	GW-9853	Sems Nut
23.	GW-20806	Bail Support Bracket
24.	710-0599	Self-tapping Screw, 1/4-20 x 1/2
25.	686-04078	Tine Hood
26.	GW-2525	Depth Regulator
27.	710-04049	Hex Flange Screw, 5/16-18 x 5/8
28.	712-04064	Hex Locknut, 1/4-20
29.	710-0597	Hex Head Screw, 1/4-20 x 1
30.	732-04320	Spring
31.	750-04556	Spacer
32.	715-04034	Roll Pin (spiral), 1/4 x 1
33.	1900864	Depth Regulator
34.	GW-9120	Retaining Ring
35.	GW-9119	Depth Regulator Knob
36.	710-3005	Hex Head Screw, 3/8-16 x 1-1/4
37.	GW-1113-1099	Drag Bar Bushing
38.	712-04065	Hex Nut, 3/8-16
39.	1916185001	Drag Bar

# Model Series 660



Ref.	Part Number	Description	Ref.	Part Number	Description
1.	710-0672	Screw, $\frac{5}{16}$ -24 x 1.25	30.	786-04067	Engine Support Bracket (rt side)
2.	786-04070	Clutch Cable Bracket	31.	914-0133	Key, $\frac{3}{16}$ x 1.50
3.	936-0119	Lockwasher, $\frac{5}{16}$	32.	710-0395	Hex Head Screw, $\frac{5}{16}$ -18 x 2- $\frac{1}{4}$
4.	710-0107	Hex Head Screw, $\frac{5}{16}$ -24 x $\frac{1}{2}$	33.	1918774001	Mounting Bar
5.	731-05290	Cover	34.	710-1260A	Hex Flange Screw, $\frac{5}{16}$ -18 x .75
6.	712-3004A	Flange Lock Nut, $\frac{5}{16}$ -18	35.	710-0805	Hex Head Screw, $\frac{5}{16}$ -18 x 1- $\frac{1}{2}$
7.	914-0133	Key, $\frac{3}{16}$ x 1.5	36.	936-0275	Flat Washer, $\frac{5}{16}$
8.	736-04187	Shim	37.	732-04082	Belt Guide
9.	619-04130	Engine Pulley	38.	GW-55088	Pivot Bushing
10.	736-04193	Belle. Washer .827 x .331 x .098	39.	712-04063	Hex Lock Nut, $\frac{5}{16}$ -18
11.	710-0672	Hex Head Screw, $\frac{5}{16}$ -24 x 1.25	40.	912-3010	Hex Nut, $\frac{5}{16}$ -18
12.	710-3103	Hex Head Screw, $\frac{5}{16}$ -18 x 2	41.	748-04087A	Shoulder Washer
13.	786-04276	Reverse Idler Arm	42.	786-04275	Forward Tiller Direction Idler Arm
14.	1916535	Reverse Idler Pulley	43.	1767754	Self-tapping Screw, #10-24
15.	936-0159	Flat Washer, $\frac{5}{16}$	44.	732-04078	Spring
16.	732-04081	Wire Formed Belt Guide	45.	912-3000	Hex Locknut, $\frac{5}{16}$ -18
17.	710-0888	Hex Head Screw, $\frac{5}{16}$ -24 x 1	46.	756-04170	Forward Idler Pulley
18.	934-04232	Wheel Assembly, 13 x 5 x 6	47.	710-0347	Screw, $\frac{3}{8}$ -16 x 1- $\frac{3}{4}$
19.	736-3078	Flat Washer, 1- $\frac{1}{8}$	48.	912-0158	Hex Lock Nut, $\frac{5}{16}$ -18
20.	732-04077	Reverse Return Spring	49.	1754128	Screw, $\frac{1}{4}$ -20 x $\frac{3}{4}$
21.	619-04123	Transmission Pulley	50.	936-0463	Flat Washer, $\frac{1}{4}$
22.	736-04079	Support Washer	51.	736-04193	Belleville Washer, .827 x .331 x .098
23.	954-04095	Reverse Clutch Belt	52.	710-0514	Hex Head Screw, $\frac{3}{8}$ -16 x 1
24.	954-04094	Forward Clutch Belt	53.	742-04223	Bolo Tine-single (Left)
25.	1900396	Self-tapping Screw, #10-32 x $\frac{1}{2}$	54.	749-04193	Bumper
26.	786-04080	Belts/Pulleys Guard	55.	710-05289	Hex Head Screw, $\frac{1}{4}$ -20 x 1.5
27.	686-04067	Tine Holder	56.	710-3096	Hex Head Screw, $\frac{3}{8}$ -16 x 2
28.	710-04043	Hex Flange Screw, $\frac{5}{16}$ -18 x $\frac{3}{4}$	57.	712-04064	Flange Hex Locknut, $\frac{1}{4}$ -20
29.	1916797001	Engine Support Bracket (left side)	58.	742-04224	Bolo Tine-single (Right)

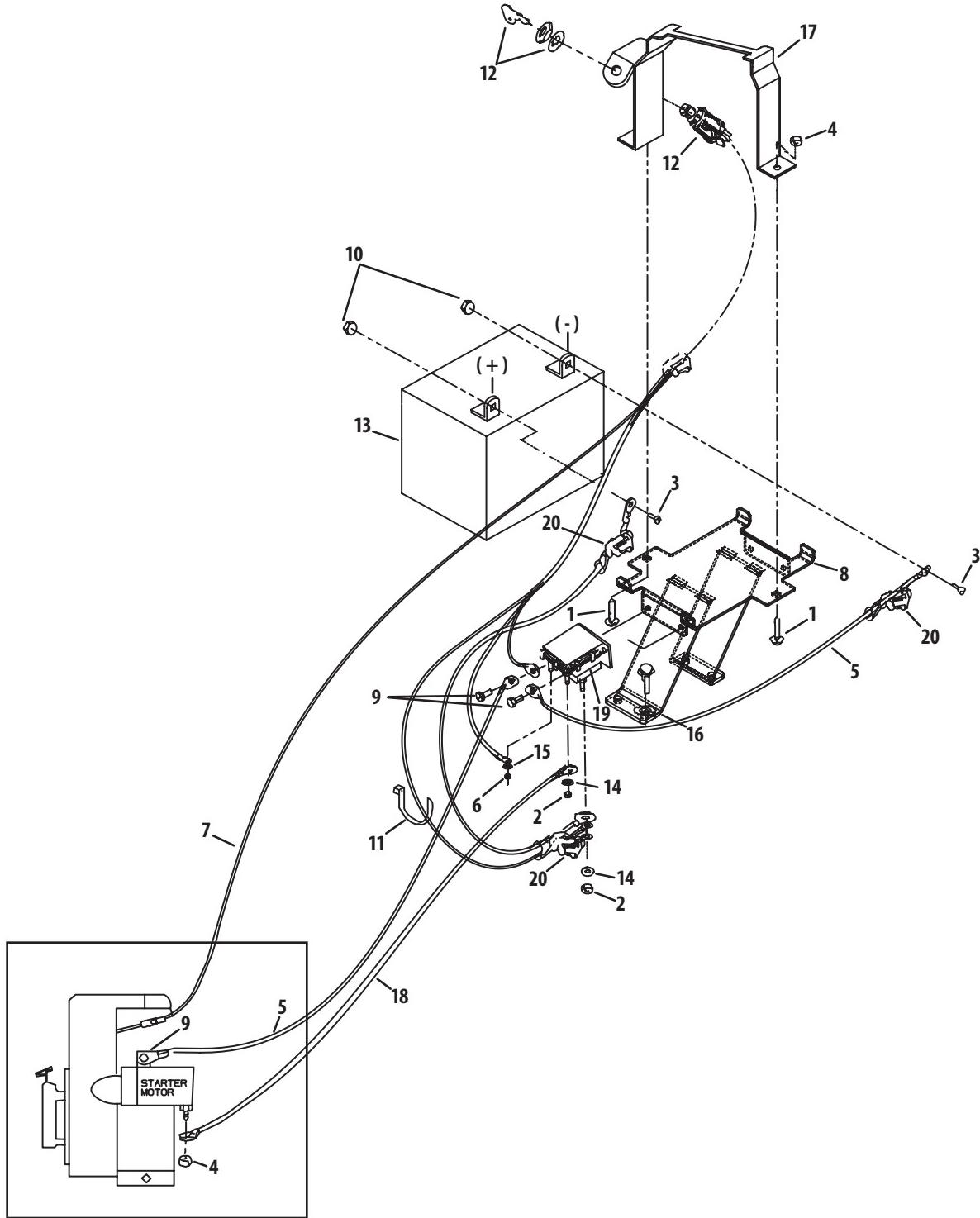
## Model Series 660



Ref.	Part Number	Description	Ref.	Part Number	Description
1.	1105620	Pipe Plug	19.	941-04298	Cone Bearing
2.	916-0101	Retaining Ring	20.	941-04299	Cup Bearing
3.	1915068	Hex Screw, 1/4-20 x .625	21.	941-04300	Bushing, 1.25 x 1 x .005 x 1.5
4.	1915069	Self-Sealing Screw, 1/4-20 x .875	22.	941-3037	Ball Bearing
5.	611-04002	Eccentric Shaft	23.	GW-1104	Woodruff Key, .25 x 1.12
6.	919-04010	Transmission Housing	24.	738-04448	Pin, .375 x .72
7.	710-04043	Hex Flange Screw, 5/16-18 x .750	25.	GW-20694	Transmission Cover Gasket
8.	GW-20896	Tiller Shaft	26.	GW-20712	Wheel Drive Clutch
9.	911-04482	Wheel Shaft	27.	717-04690	Spur Gear
10.	716-04102	Retaining Ring	28.	GW-20791	Pinion Shaft
11.	716-04104	Retaining Ring	29.	717-04689	Pinion Gear
12.	718-04406	Rear Bearing Cover	30.	GW-20873	Housing Cover
13.	721-04001	Oil Seal, 1.79 x .25	31.	1916193001	Transmission Cover
14.	921-04031	Oil Seal, 1.0 x 1.499	32.	GW-20912	Drive Shaft
15.	921-04034	Oil Seal, .625 x 1.0	33.	GW-20913	Worm Gear
16.	921-04035	Oil Seal, .984 x 1.75	34.	GW-20914	Wheel Drive Gear
17.	921-04044	Oil Seal, .750 x 125	35.	GW-9055	Spring, .850 x .875
18.	736-04258	Washer, 1.375 x 1.015 x .01*	36.	GW-9093	Bowed Ring
—	736-04259	Washer, 1.375 x 1.015 x .015*	37.	GW-9301099	Key, .188 x 1
—	736-04260	Washer, 1.375 x 1.015 x .03*	38.	GW-9373	Hi-Pro Key, .25 x 1.312
—	736-04305	Washer, 1.75 x 1.5 x .062*	39.	GW-9428	Bushing, 1.24 x .75 x .18
—	736-04306	Washer, 1.75 x 1.5 x .005*	40.	GW-9467	Oil Plug
—	736-04307	Washer, 1.75 x 1.5 x .03*	41.	GW-9677	Hex Screw, 5/16-18 x .38
—	736-04308	Washer, 1.75 x 1.5 x .01*	42.	GW-9935	Washer, 1.46 x 1.016 x .062
—	736-04309	Washer, 1.375 x 1.015 x .062*	43.	GW-9953	Washer, 1.022 x .75 x .059

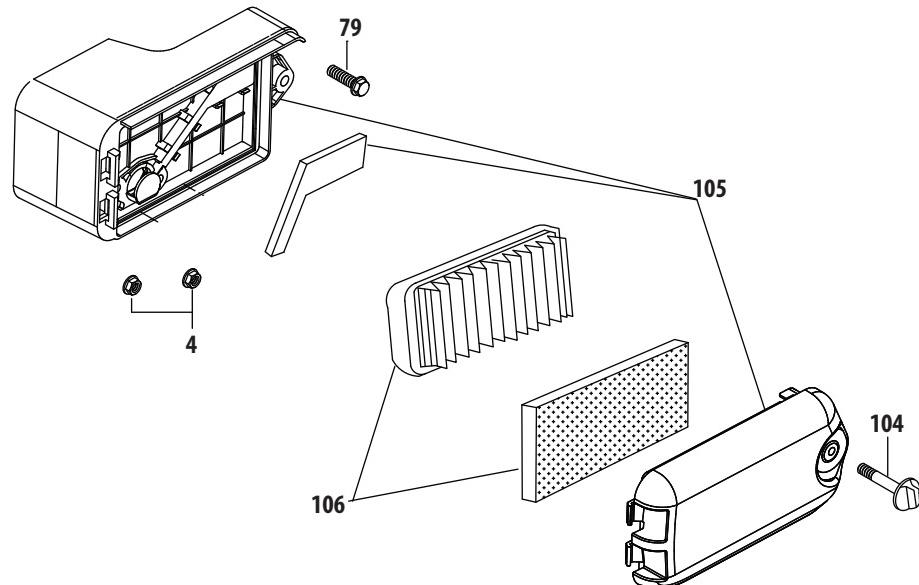
\* — The flat washers listed are used as required to obtain .005 to .030 in allowable end play on the wheel shaft and tine shaft and a .005 to .015 in end play on the drive shaft.

## Model Series 660



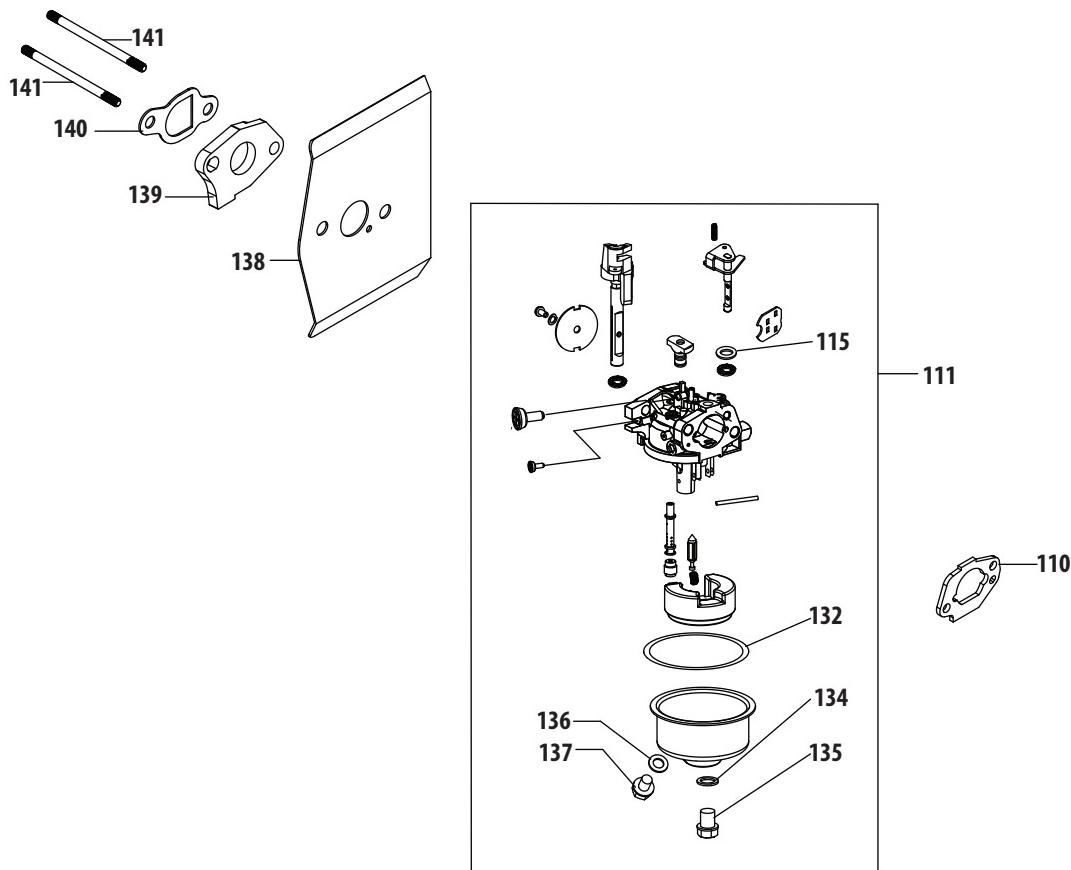
<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1.	1186073	Carriage Screw 1/4-20 x 1.25
2.	1186211	Hex Nut 5/16-24
3.	1186309	Flange Screw 1/4-20 x .625
4.	1186389	Hex Locknut 1/4-20
5.	1901202	Cable (Ground Wire)
6.	GW-9853	Hexlock Washer Nut, 10-32
7.	725-04346	Electric Start Harness
8.	686-04024	Battery Bracket Assembly
9.	710-0599	Self-tapping Screw 1/4-20 x .5
10.	712-3006	Hex Nut 1/4-20
11.	725-0157	Cable Tie
12.	925-0267B	Ignition Switch
13.	925-1707D	Battery 270 CCA
14.	936-0119	Lock Washer 5/16
15.	936-0147	Lock Washer #10
16.	736-0607	External Lock Washer 5/16
17.	1900873	Keypad Clamp
18.	GW-96510	Cable (Solenoid to Starter Motor)
19.	GW-96514099	Solenoid (Incl. Nuts and Washers for Cables and Wires)
20.	GW-97020	Insulating Boot

## 1P65TG Air Cleaner



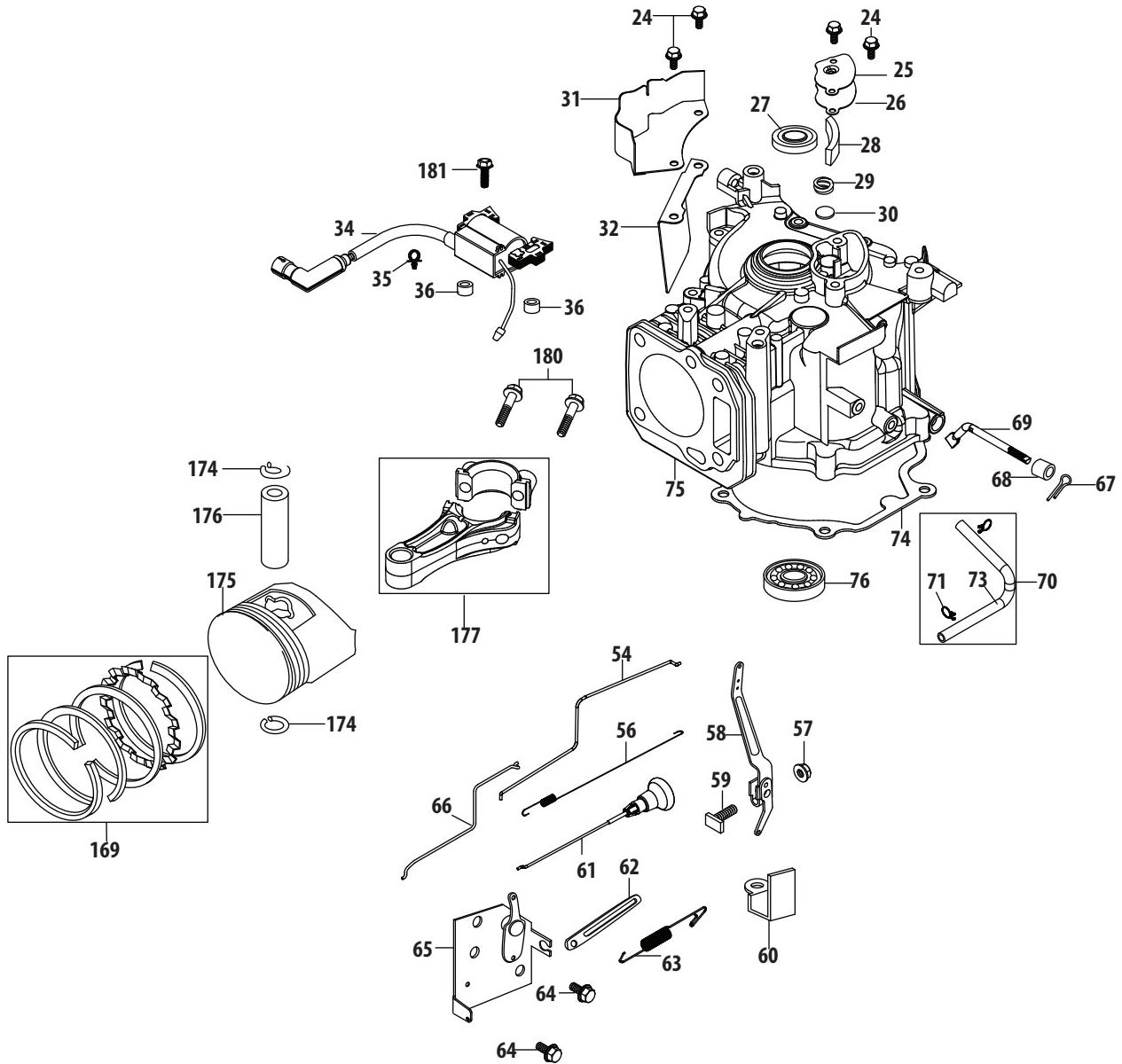
Ref.	Part Number	Description
4	712-04212	Nut M6 X 10 Mm
79	710-04980	Bolt M6x35
104	951-10297	Air Filter Cover Thumb Screw
105	951-10405	Air Cleaner Housing Assy
106	951-10298	Air Cleaner Kit

# 1P65TG Carburetor Assembly



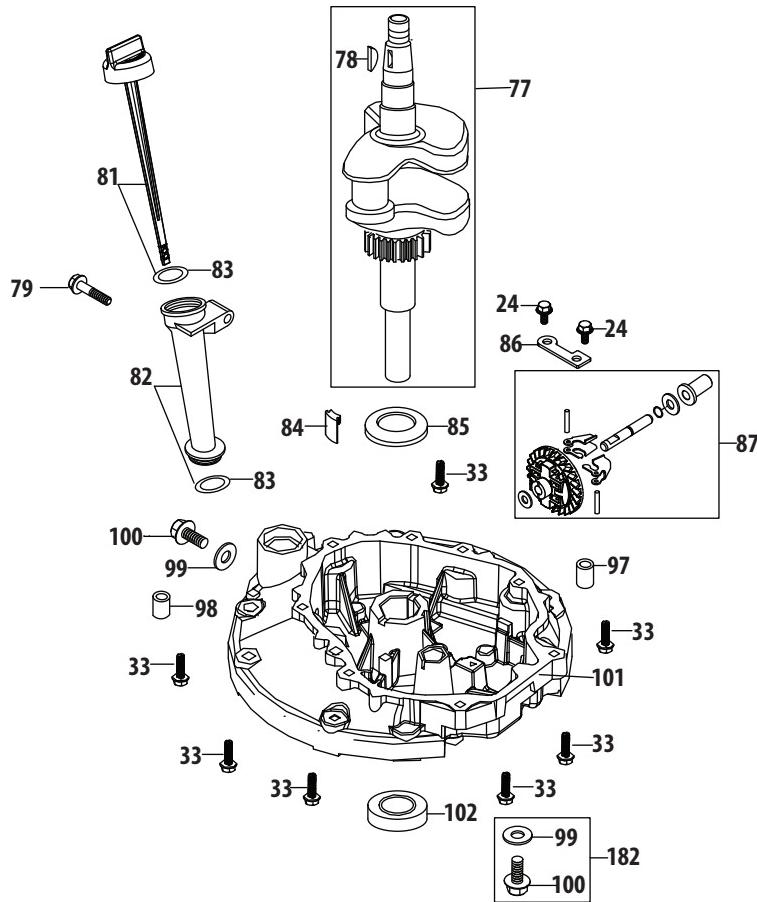
Ref.	Part Number	Description
110	951-11525	Carburetor Gasket Plate
111	951-12446	Carburetor Assembly
115	736-04556	Choke Shaft Washer
132	951-11589	Fuel Bowl O-Ring
134	951-11348	Fuel Bowl Gasket
135	710-04945	Fuel Bowl Mounting Bolt
136	951-11349	Fuel Drain Plug Gasket
137	710-04938	Fuel Drain Plug
138	951-12451	Carburetor Gasket
139	951-11738	Carburetor Insulator
140	951-11528	Carburetor Insulator Gasket
141	710-05093 951-12178A	Carb Stud M6X92 Carburetor Kit - Major (Incl.116,117,122,123,126-132,134,136)

# 1P65TG Crankcase



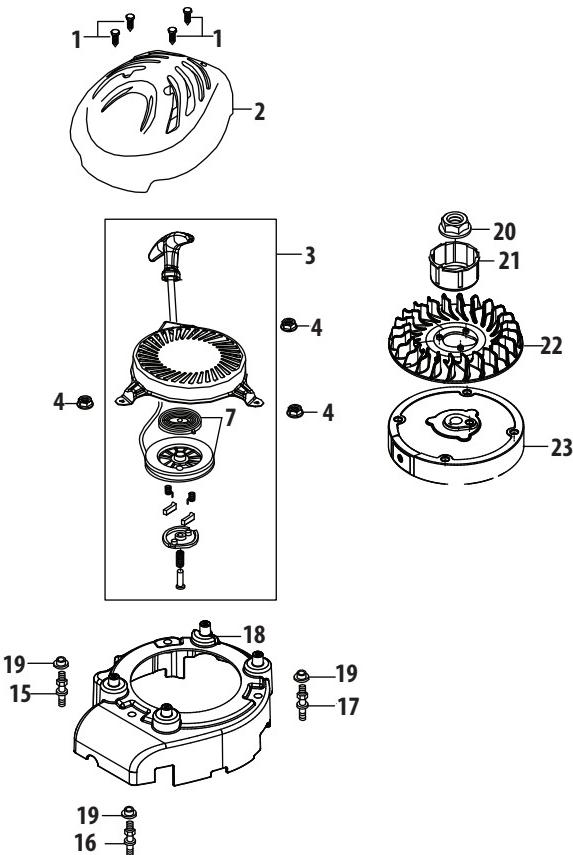
<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
24	710-04916	Bolt M6x14	68	951-11574	Governor Seal
25	951-11612	Breather Cover Plate	69	951-11608	Governor Arm Shaft
26	951-11613	Breather Gasket	70	951-11520	Breather Hose Assembly
27	951-11596	Upper Crankshaft Seal	71	726-04101	Breather Hose Clamp
28	951-11730	Breather Screen	73	951-11520	Breather Hose
29	732-04718	Breather Spring	74	951-11732	Crankcase Cover Gasket
30	951-11614	Breather Valve	75	951-12447	Short Block Assembly (Incl.24-30,33,67-69,74-78,85-87, 97-102,110,139,140,156,159,164, 165,167-169,174-177)
31	951-11673	Engine Brake Cover Plate	76	951-11369	Main Bearing
32	951-11602	Label Bracket	169	951-11688	Piston Ring Set
34	951-10620	Ignition Coil Assembly	174	951-11603	Piston Pin Snap Ring
35	951-11674	Plastic Clamp Ø5.8x9	175	951-11605	Piston
36	951-11675	Ignition Coil Spacer	176	951-11604	Piston Pin
54	951-11677	Throttle Linkage	177	951-11744	Connecting Rod Assembly
55	951-11522	Throttle Linkage Spring	180	710-05162	Connecting Rod Bolt
57	712-04212	Governor Arm Nut M6	181	710-04969	Bolt M6x30
58	951-11678	Governor Arm		952Z1P65TG	Complete Engine
59	710-04908	Governor Arm Bolt		951-12449	Gasket - External 27,83,99,138-140,156,159
60	951-11679	Governor Arm Guard		951-12448	Gasket Kit - Complete (Incl. 26,27,68,74,83,99,102, 138-140,156,159,164)
61	951-10619	Choke Control			
62	951-11680	Flexible Clamp			
63	951-10387	Governor Spring			
64	710-04915	Bolt M6x12			
65	951-11681	Component Bracket			
66	951-11694	Choke Linkage			
67	714-04074	Governor Arm Cotter Pin			

# 1P65TG Crankshaft & Crankcase Cover



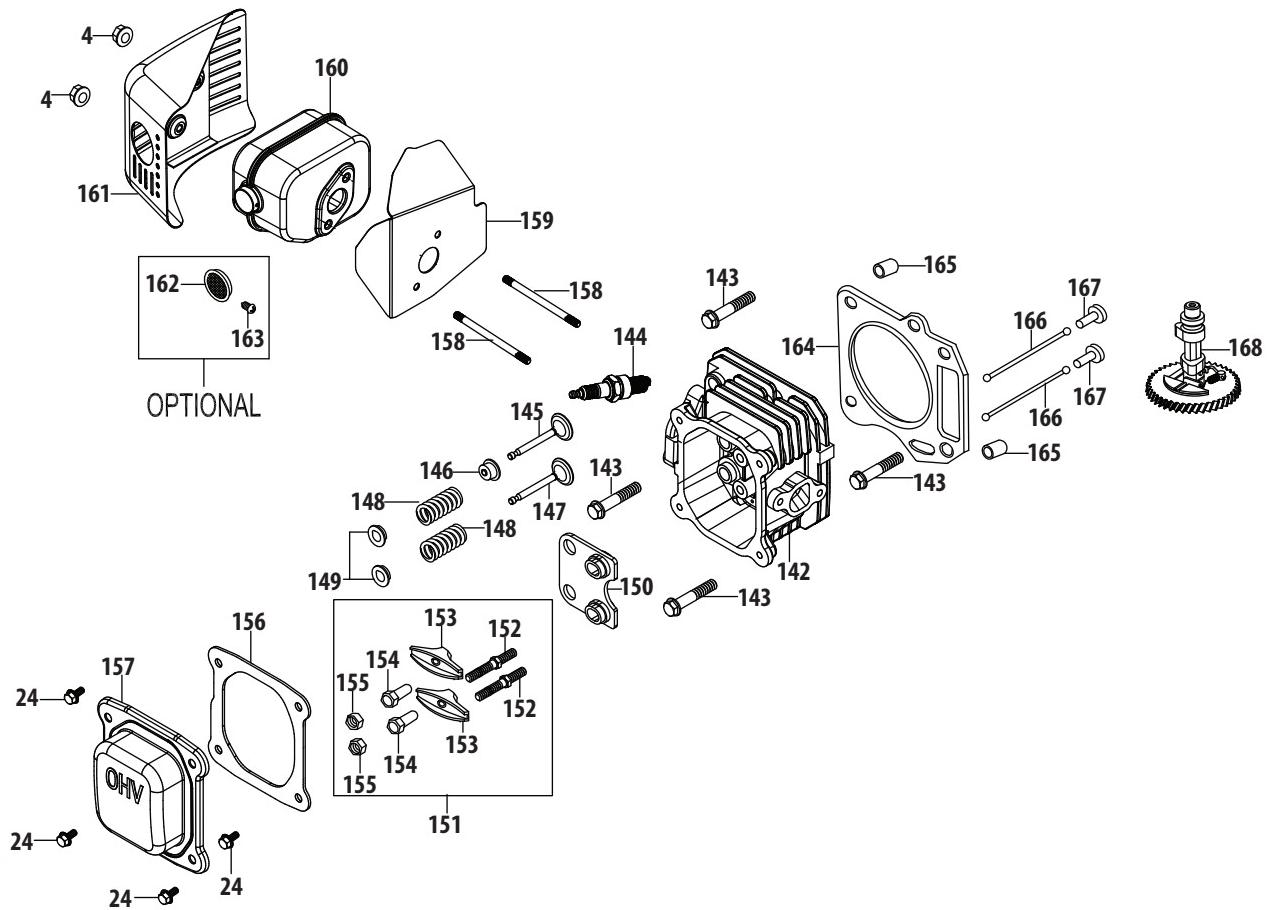
Ref.	Part Number	Description
24	710-04916	Bolt M6x14
33	710-04920	Bolt M6X28
77	951-11682	Crankshaft Assembly
78	951-10307	Woodruff Key
79	710-04980	Dipstick/Af Bolt M6x35
81	951-11795	Dipstick
82	951-11765	Oil Fill Tube
83	951-11547	Dipstick / Oil Fill Tube O-Ring
84	951-11733	Oil Return Seal
85	736-04491	Crankshaft Thrust Washer

Ref.	Part Number	Description
86	951-11609	Governor Gear Mounting Plate
87	951-11549	Governor Gear/Shaft Assembly
97	715-04092	Crankcase Cover Dowel 7X14
98	715-04089	Crankcase Cover Dowel 9X14
99	736-04440	Oil Drain Plug Washer
100	710-04906	Oil Drain Plug
101	951-11793	Crankcase Cover
102	951-11545	Lower Crankshaft Seal
182	951-10370	Oil Drain Plug & Washer Assy



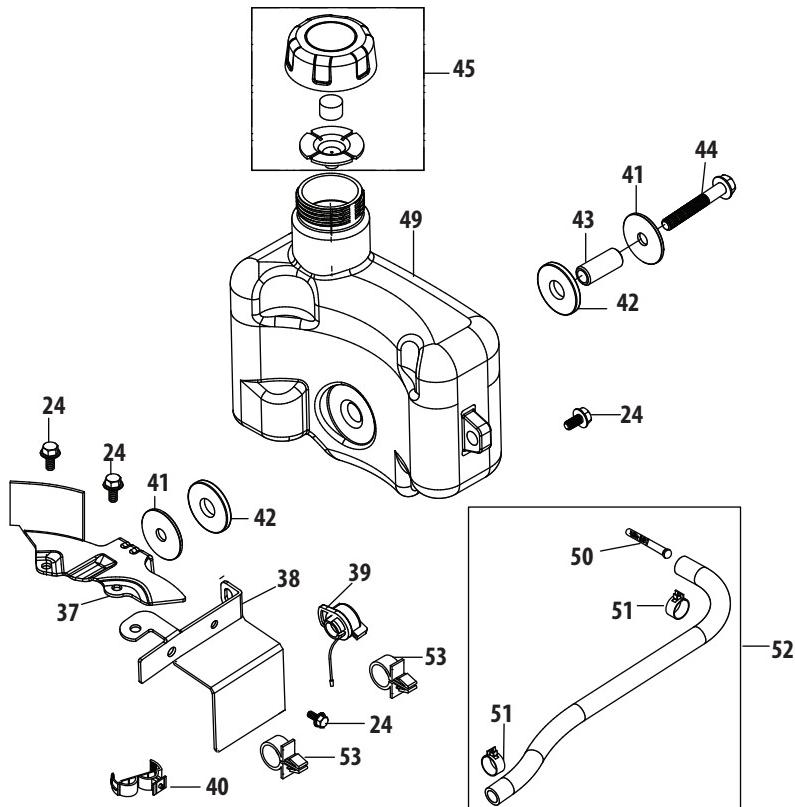
Ref.	Part Number	Description
1	710-04744	Self-Tapping Bolt,#12-16 X 1"
2		See Unit Breakdown for Shroud
3	951-11720	Recoil Starter Assembly
4	712-04212	Nut M6 X 10 Mm
7	951-11721	Recoil Pulley & Spring Assy
15	751-11722	Starter/Shroud Stud Left/Black
16	951-11723	Starter/Shroud Stud Front/Unmark
17	951-11724	Starter/Shroud Stud Right/White
18	951-10336	Inner Shroud
19	750-05320	Engine Shroud Spacer
20	712-04287	Flywheel Nut M14
21	951-12161	Starter Cup
22	951-10909	Cooling Fan
23	951-11042	Flywheel

## **1P65TG Cylinder Head**



Ref.	Part Number	Description
4	712-04212	Nut M6 X 10 Mm
24	710-04916	Bolt M6x14
142	951-11746	Cylinder Head (Incl.139,140,142,145-150, 152-156,159,164)
143	710-04982	Head Bolt M8x54
144	951-10292	Spark Plug/F6Rtc
145	951-10313	Intake Valve
146	951-11818	Intake Valve Seal
147	951-10313	Exhaust Valve
148	951-12004	Valve Spring
149	951-11977	Valve Spring Retainer
150	951-11687	Push Rod Guide
151	951-11606	Rocker Arm Assembly
152	710-04902	Rocker Arm Stud
153	951-12001	Rocker Arm
154	751-11123	Fulcrum Nut
155	751-11124	Jam Nut
156	951-11551	Valve Cover Gasket
157	951-11548	Valve Cover
158	710-05094	Muffler Stud M6X95
158	951-10342	Muffler Stud Assy
159	951-11739	Muffler Gasket
160	951-10295	Muffler Assembly
161	951-11791	Muffler Shield
162	951-10351	Spark Arrestor
163	710-04983	Spark Arrestor Screw
164	951-11555	Cylinder Head Gasket
165	715-04090	Cylinder Head Dowel 10X16
166	951-10314	Push Rod Kit
167	951-11607	Tappet
168	951-11741	Camshaft Assembly
	951-10846A	Cylinder Head Svc Kit (Incl.143,146,156,164)
	951-12449	Gasket - External (Incl.27,83,99,138-140,156,159)
	951-12448	Gasket Kit - Complete (Incl.26,27,68,74,83,99,102, 138-140,156,159,164)

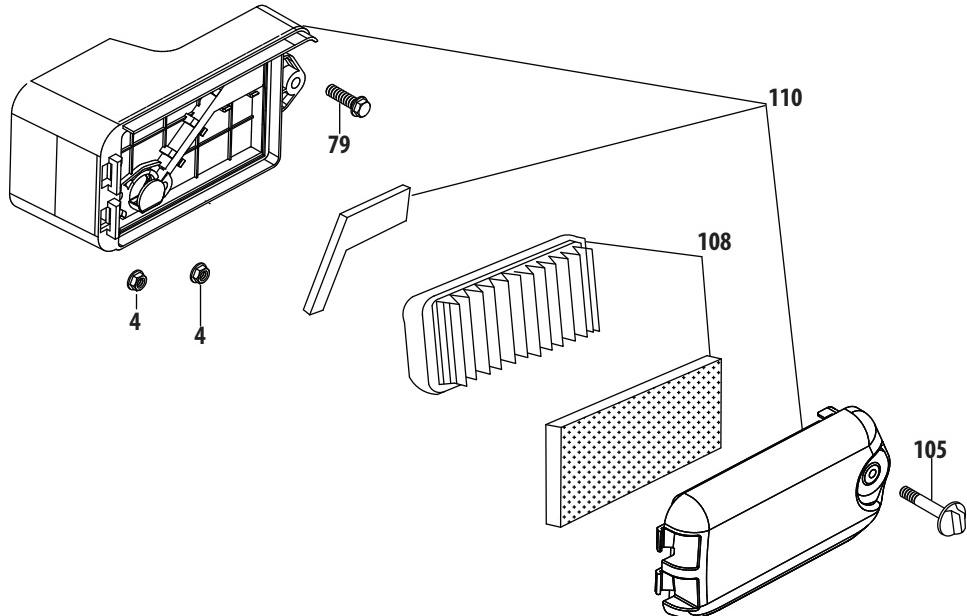
## 1P65TG Fuel Tank & Mounting



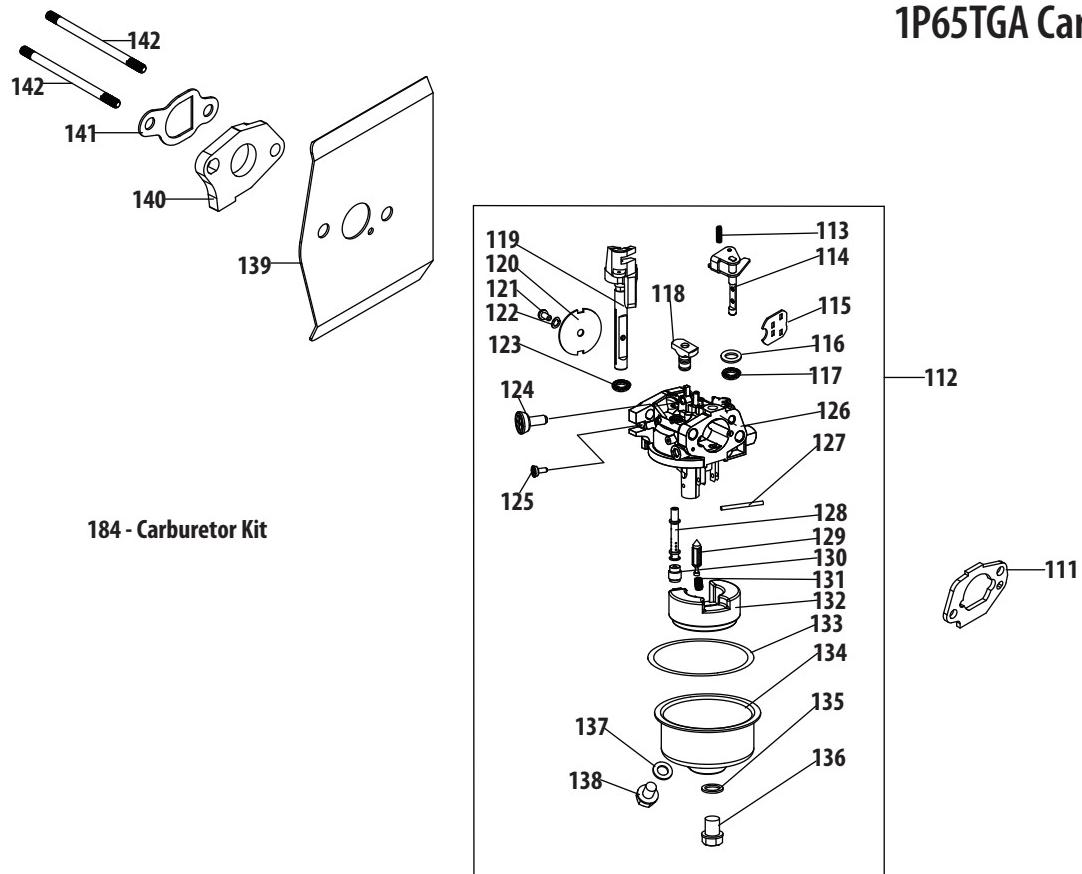
Ref.	Part Number	Description
24	710-04916	Bolt M6x14
37	951-11542	Fuel Tank Bottom Bracket
38	951-12450	Fuel Tank / Console Bracket
39	951-10622	Ignition Switch
40	951-11676	Clamp
41	736-04456	Fuel Tank Washer
42	951-10335	Rubber Bushing
43	750-05322	Fuel Tank Bushing
44	710-04922	Fuel Tank Bolt M8X50
45	951-10300	Fuel Cap Assembly
49	951-10337	Fuel Tank Assembly
50	951-10358A	Fuel Filter
51	951-11700	Fuel Hose Clamp
52	951-10363	Fuel Line Kit
53	723-04071	Plastic Support Clamp



## 1P65TGA Air Cleaner



Ref.	Part Number	Description
4	712-04212	Nut M6X10Mm
79	710-04980	Bolt M6X35
105	951-10297	Air Filter Cover Thumb Screw
108	951-10298	Air Cleaner Kit
110	951-10405	Air Cleaner Housing Ass'Y



**184 - Carburetor Kit**

Ref.	Part Number	Description
111	951-11525	Carburetor Gasket Plate
112	951-12446	Carburetor Assembly
113	n/a	Detent Spring
114	n/a	Choke Shaft
115	n/a	Choke Plate
116	736-04556	Choke Shaft Washer
117	n/a	Choke Shaft Fiber O-Ring
118	n/a	Idle Jet Assembly
119	n/a	Throttle Shaft
120	n/a	Throttle Plate
121	n/a	Screw M3X6 Throttle Plate
122	n/a	Throttle Plate Lock Washer
123	n/a	Throttle Shaft Fiber O-Ring
124	n/a	Idle Speed Adjusting Screw
125	n/a	Idle Mixture Screw
126	n/a	Carburetor Body
127	n/a	Float Pin
128	n/a	Emulsion Tube

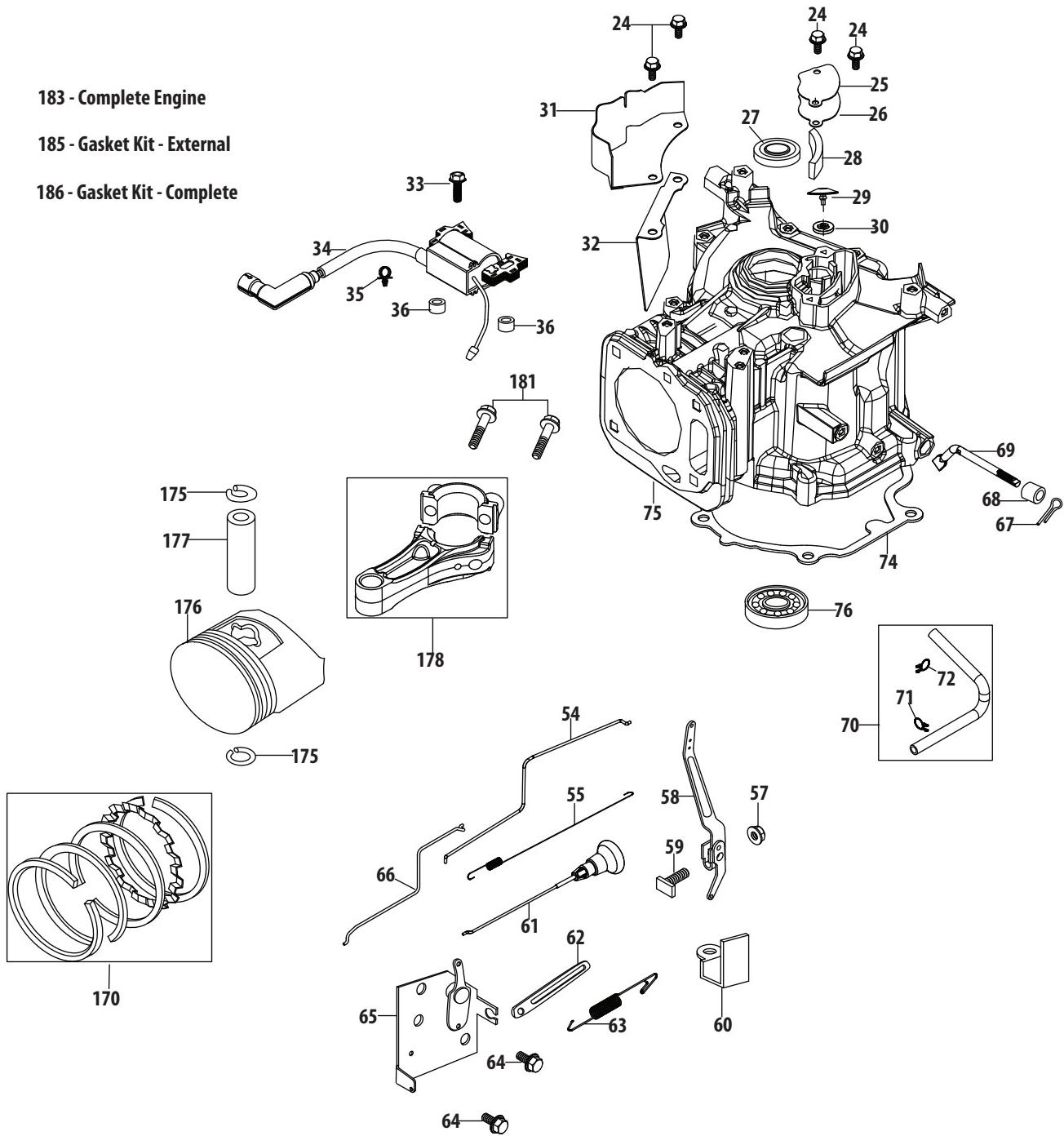
Ref.	Part Number	Description
129	n/a	Needle Valve
130	n/a	Main Jet
131	n/a	Needle Valve Spring
132	n/a	Float
133	951-11589	Fuel Bowl O-Ring
134	n/a	Fuel Bowl
135	951-11348	Fuel Bowl Gasket
136	710-04945	Fuel Bowl Mounting Bolt
137	951-11349	Fuel Drain Plug Gasket
138	710-04938	Fuel Drain Plug
139	951-12451	Carburetor Gasket
140	951-11738	Carburetor Insulator
141	951-11528	Carburetor Insulator Gasket
142	710-05093	Carb Stud M6X92
184	951-12178A	Carburetor Kit - Major (Incl.118,123,124,127-133, 135,137)

# 1P65TGA Crankcase

183 - Complete Engine

185 - Gasket Kit - External

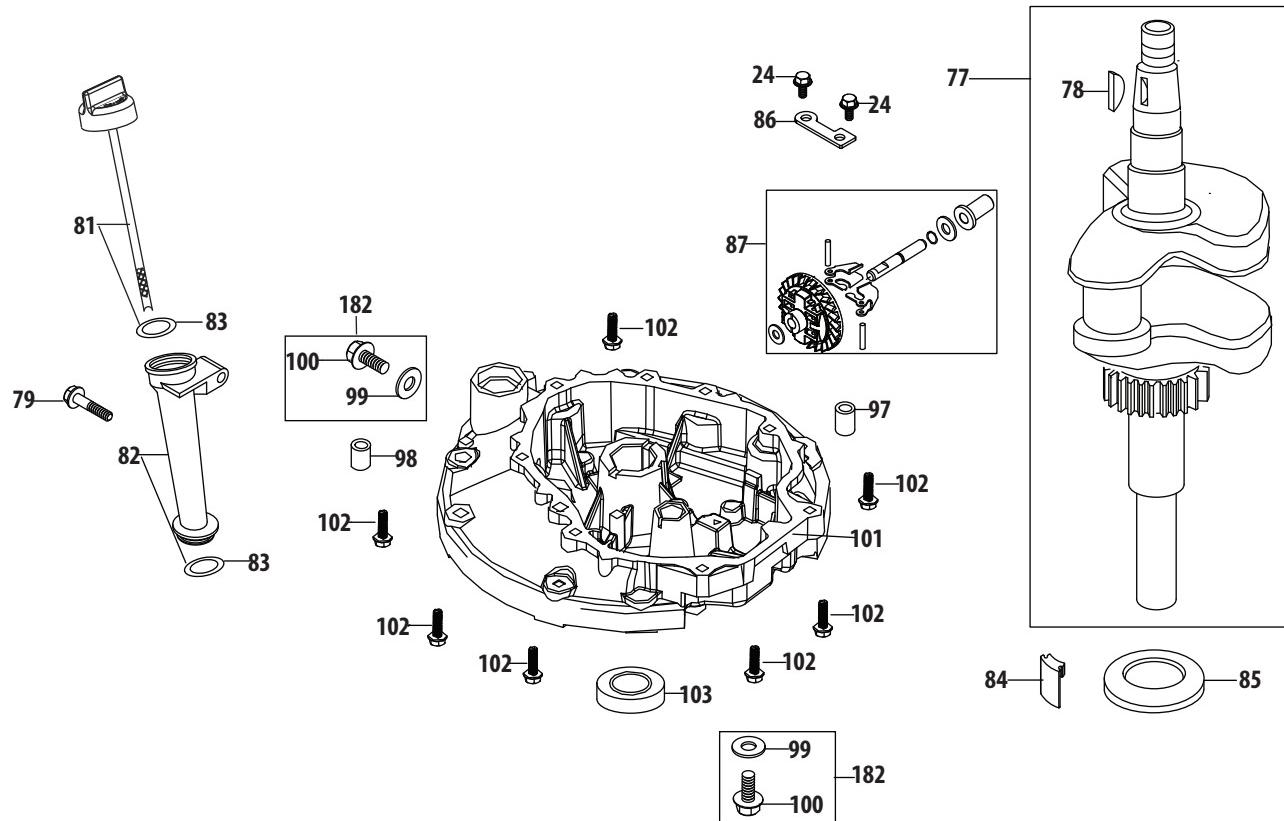
186 - Gasket Kit - Complete



# 1P65TGA Crankcase

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
24	710-04916	Bolt M6X14 Multi-Purpose	67	714-04074	Governor Arm Shaft Cotter Pin
25	951-12684	Breather Cover Plate	68	951-11574	Governor Seal
26	951-11613	Breather Gasket	69	951-11608	Governor Arm Shaft
27	951-11596	Upper Crankshaft Seal	70	951-11520	Breather Hose Assembly
28	951-11730	Breather Screen	71	726-04101	Breather Hose Clamp
29	951-12685	Breather Valve	72	726-04128	Breather Hose Clamp
30	951-12686	Breather Valve Base	74	951-11732	Crankcase Cover Gasket
31	951-11673	Engine Brake Cover Plate	75	951-12692	Short Block (Incl.24-30,67-69,74-78,85-87, 97-103,111,140,141,157,160, 165,166,168-170,175-178)
32	951-11602	Label Bracket	76	951-11369	Main Bearing
33	710-04969	Bolt M6X30	170	951-11688	Piston Ring Set
34	951-10620	Ignition Coil Assembly	175	951-11603	Piston Pin Snap Ring
35	951-11674	Ignition Wire Clip	176	951-11605	Piston
36	951-11675	Ignition Coil Spacer	177	951-11604	Piston Pin
54	951-11677	Throttle Linkage	178	951-11744	Connecting Rod Assembly
55	951-11522	Throttle Linkage Spring	181	710-05162	Connecting Rod Bolt
57	712-04212	Governor Arm Nut M6	183	952Z1P65TGA	Complete Engine
58	951-11678	Governor Arm	185	951-12449	Gasket Kit - External (Incl.26,83,99,139-141,157,160)
59	710-04908	Governor Arm Bolt	186	951-12448	Gasket Kit - Complete (Incl.26,27,68,74,83,99,103, 139-141,157,160,165)
60	951-11679	Governor Arm Guard			
61	951-10619	Choke Control			
62	951-11680	Flexible Clamp			
63	951-10387	Governor Spring			
64	710-04915	Bolt M6X12			
65	951-11681	Component Bracket			
66	951-11694	Choke Linkage			

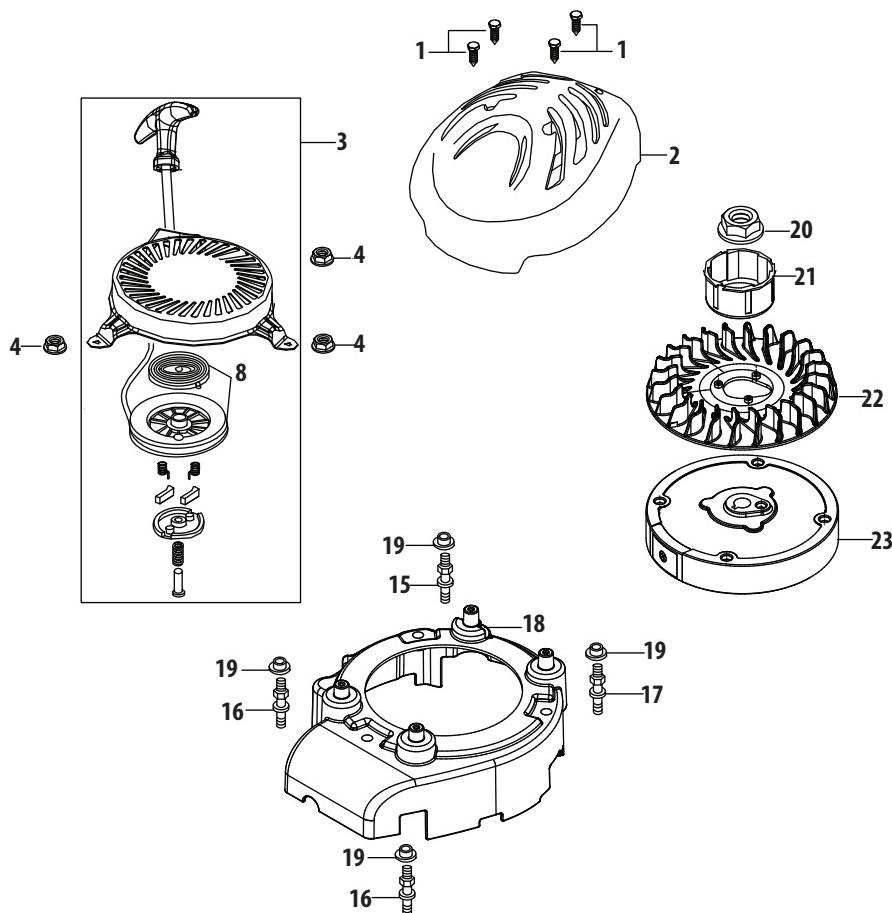
# 1P65TGA Crankshaft & Crankcase Cover



Ref.	Part Number	Description
24	710-04916	Bolt M6X14
77	951-11682	Crankshaft Assembly
78	951-10307	Woodruff Key
79	710-04980	Bolt M6X35
81	951-12696	Dipstick Assembly
82	951-11765	Oil Fill Tube
83	951-11547	Dipstick / Oil Fill Tube O-Ring
84	951-11733	Oil Return Seal
85	736-04491	Crankshaft Thrust Washer
86	951-11609	Governor Gear Mounting Plate

Ref.	Part Number	Description
87	951-11549	Governor Gear/Shaft Assembly
97	715-04092	Crankcase Cover Dowel Pin 7x14
98	715-04089	Crankcase Cover Dowel Pin 9x14
99	736-04440	Oil Drain Plug Washer
100	710-04906	Oil Drain Plug
101	951-11793	Crankcase Cover
102	710-04920	Bolt M6X28 P65 Crankcase
103	951-11545	Lower Crankshaft Seal
182	951-10370	Oil Drain Plug & Washer Assy

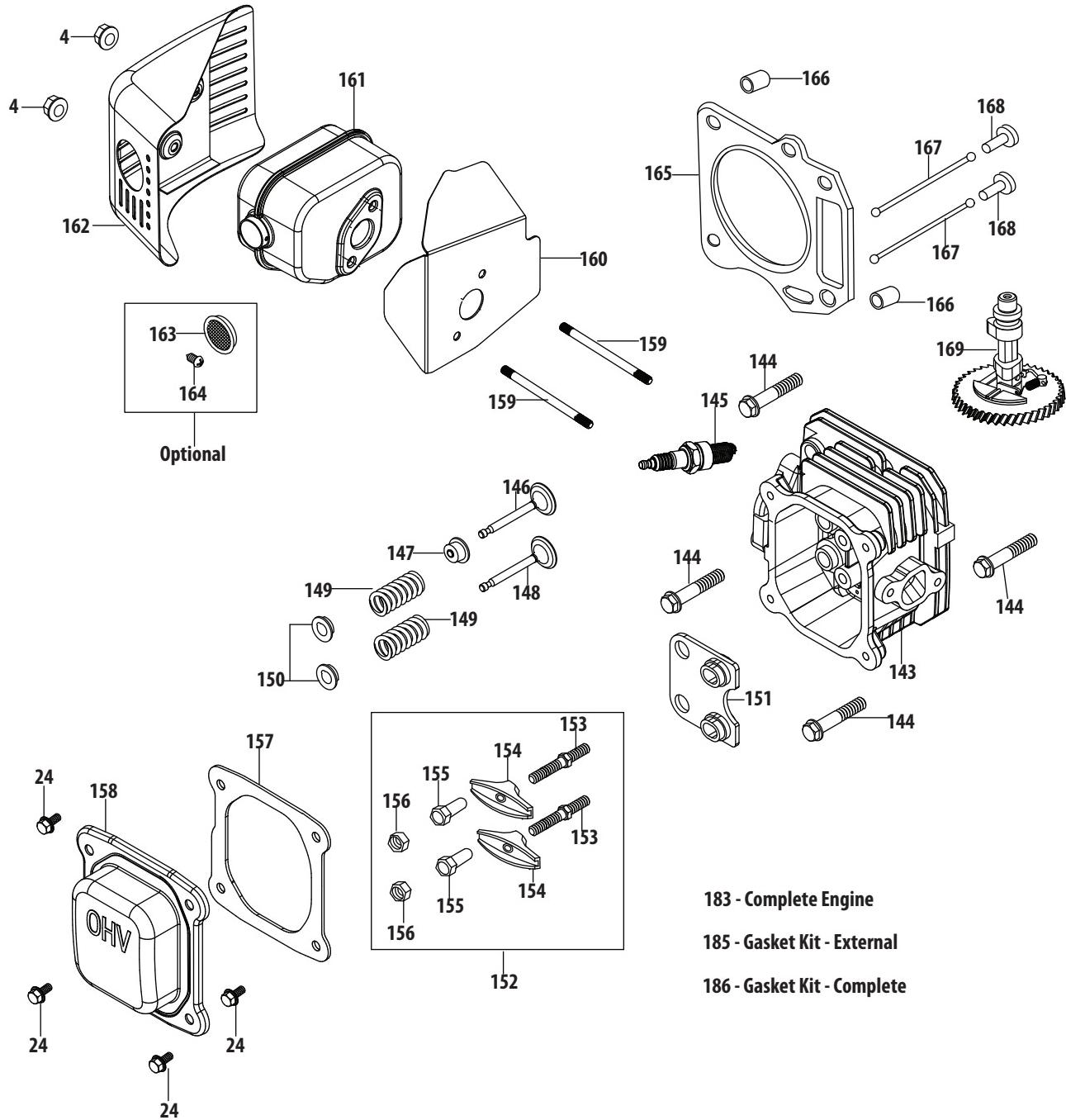
# 1P65TGA Flywheel & Shroud



<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	710-04744	Screw, Hilo #12-16 X 1.00"
2		Outer Shroud (See Unit Breakdown)
3	951-12683	Recoil Starter Assembly
4	712-04212	Nut M6X10Mm Starter/Carb/Muff
8	951-11721	Starter Pulley
15	751-11722	Shroud Stud Left/Black
16	951-11723	Shroud Stud Front/Unmarked

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
17	951-11724	Shroud Stud Right/White
18	951-10336	Inner Shroud
19	750-05320	Engine Shroud Spacer
20	712-04287	Flywheel Nut M14
21	951-12161	Starter Cup
22	951-10909	Cooling Fan
23	951-11042	Flywheel

# 1P65TGA Cylinder Head



183 - Complete Engine

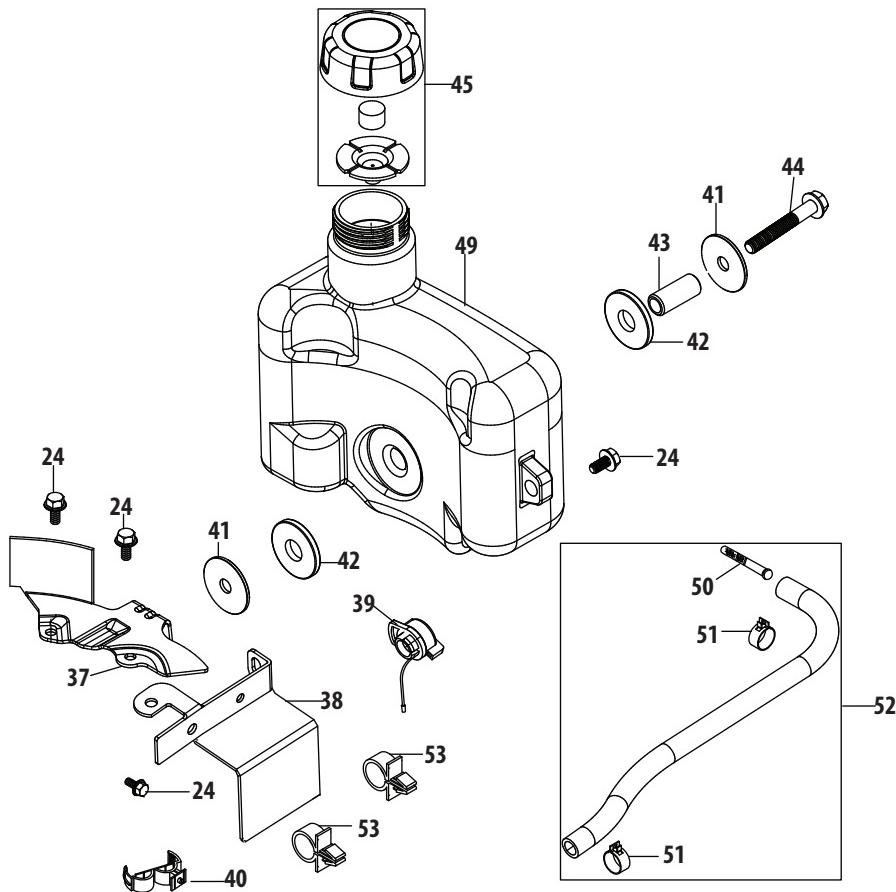
185 - Gasket Kit - External

186 - Gasket Kit - Complete

# 1P65TGA Cylinder Head

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
4	712-04212	Nut M6X10Mm Starter/Carb/Muff	157	951-11551	Valve Cover Gasket
24	710-04916	Bolt M6X14 Multi-Purpose	158	951-11548	Valve Cover
143	951-10846A	Cylinder Head Svc Kit (Incl.114,147,156,165)	159	710-05094	Muffler Stud M6X95
	951-11746	Cylinder Head (Incl.140,141,143,145-150, 152-156,160,165)	160	951-11739	Muffler Gasket
144	710-04982	Bolt M8X54 Cylinder Head	161	951-10403	Muffler Assembly
145	951-10292	Spark Plug/F6Rtc	162	951-11791	Muffler Shield
146	951-10313	Valve Kit	163	951-10351	Spark Arrestor
147	951-11818	Intake Valve Seal	164	710-04983	Spark Arrestor Screw
148	951-10313	Valve Kit	165	951-11555	Cylinder Head Gasket
149	951-12004	Valve Spring	166	715-04090	Cylinder Head Dowel Pin 10x16
150	951-11977	Valve Spring Retainer	167	951-10314	Push Rod Kit
151	951-11687	Push Rod Guide	168	951-11607	Tappet
152	951-11606	Rocker Arm Assembly	169	951-11741	Camshaft Assembly
153	710-04902	Rocker Arm Stud	183	952Z1P65TGA	Complete Engine
154	951-12001	Rocker Arm	185	951-12449	Gasket Kit - External (Incl.26,83,99,139-141,157,160)
155	751-11123	Fulcrum Nut	186	951-12448	Gasket Kit - Complete (Incl.26,27,68,74,83,99,103, 139-141,157,160,165)
156	751-11124	Jam Nut			

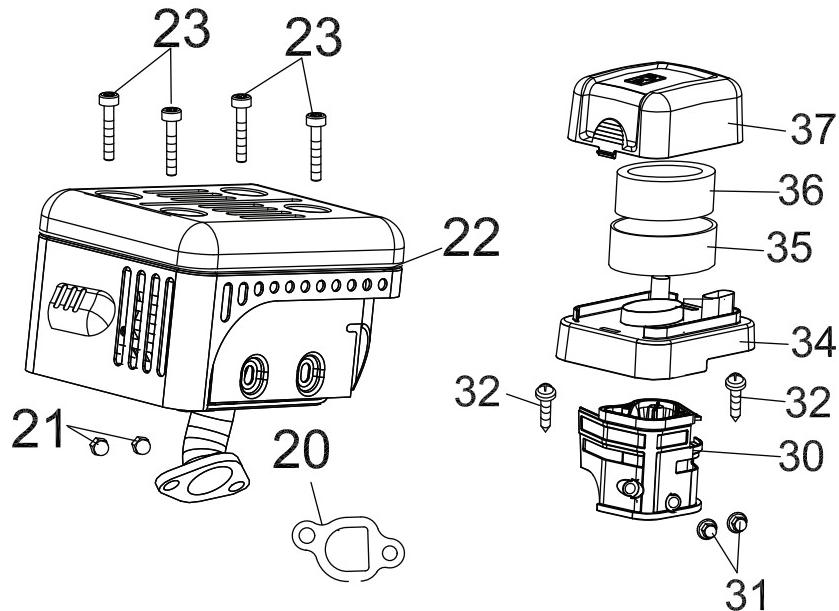
## 1P65TGA Fuel Tank



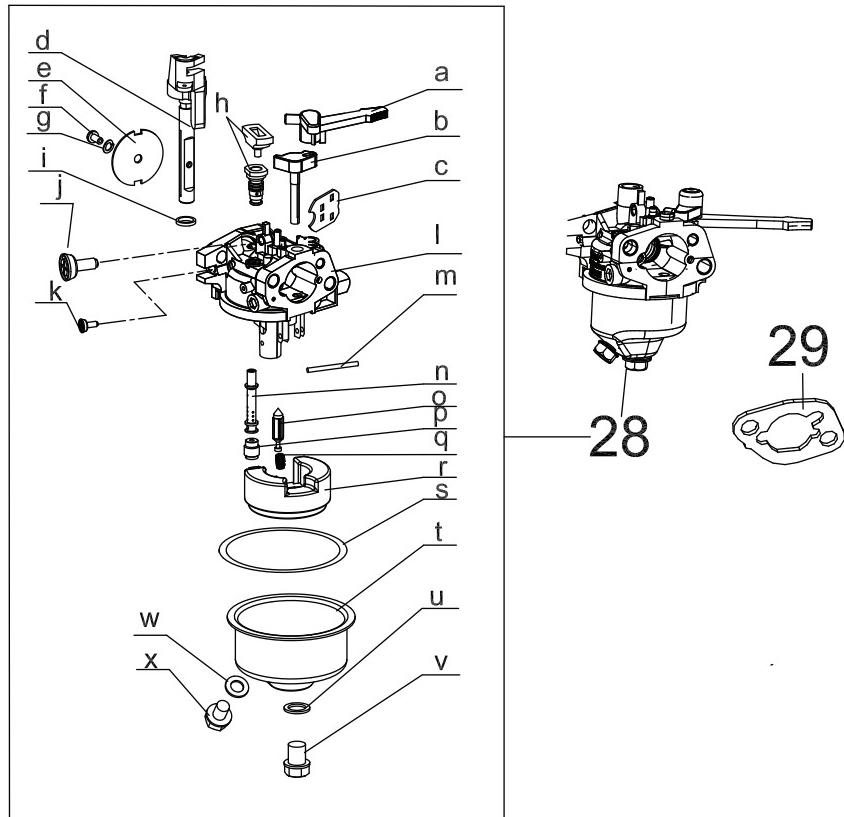
Ref.	Part Number	Description
24	710-04916	Bolt M6X14 Multi-Purpose
37	951-11542	Fuel Tank Bottom Bracket
38	951-12450	Fuel Tank / Console Bracket
39	951-10622	Ignition Switch
40	951-11676	Wire Clamp
41	736-04456	Fuel Tank Washer
42	951-10335	Rubber Bushing
43	750-05322	Fuel Tank Bushing
44	710-04922	Bolt M8X50 Fuel Tank
45	951-10300	Fuel Cap Assembly
49	951-10337	Fuel Tank Assembly
50	951-10358A	Fuel Filter
51	951-11700	Fuel Hose Clamp
52	951-11336	Fuel Line Kit
53	723-04071	Plastic Support Clamp



## 170-TOB Air Cleaner & Muffler



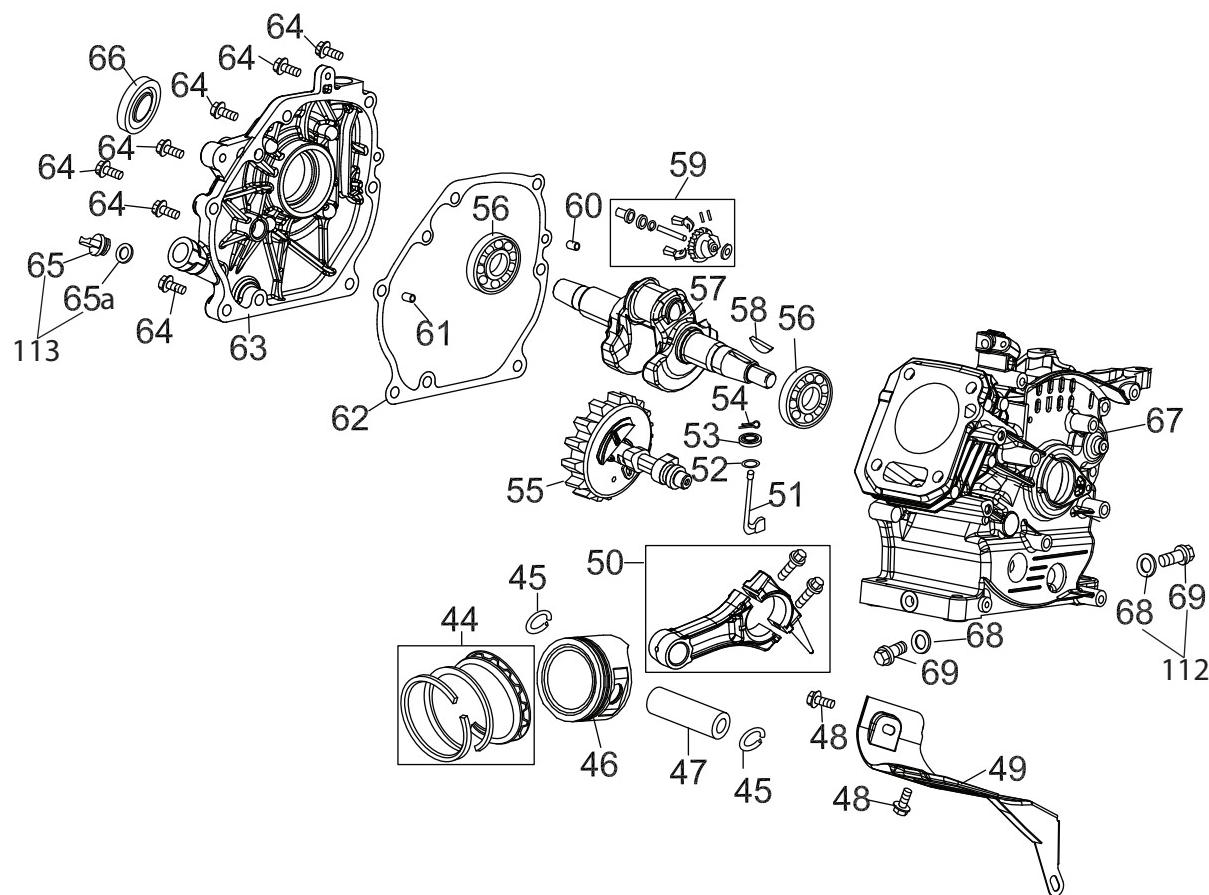
Ref.	Part Number	Description
20	951-11285	Exhaust Pipe Gasket
21	712-04214	Nut, M8
22	951-12156	Muffler Assembly
23	710-05002	Bolt
30	951-10806	Air Cleaner Housing
31	712-04213	Nut
32	710-05102	Self-Tapping Bolt M4.2×16
34	951-12135	Silencer Plate
35	951-10794	Air Cleaner Assembly
36	951-10794	Air Cleaner Assembly
37	951-12136	Air Cleaner Cover



Ref.	Part Number	Description
28	951-12124	Carburetor Assembly
29	951-11571	Carburetor Gasket Plate
a	951-11177	Control Lever,Choke
b	N/A	Choke Shaft
c	N/A	Choke Plate
d	N/A	Throttle Shaft
e	N/A	Throttle Plate
f	N/A	Screw M3x5
g	N/A	Lock Washer
h	N/A	Idle Jet Assembly
i	N/A	Gasket, Throttle Plate
j	N/A	Idle Speed Adjusting Screw
k	N/A	Mixture Screw
l	N/A	Carburetor Body

Ref.	Part Number	Description
m	N/A	Float Pin
n	N/A	Emulsion Tube
o	N/A	Needle Valve
p	N/A	Main Jet
q	N/A	Needle Valve Spring
r	N/A	Float
s	951-11589	Fuel Bowl Gasket
t	N/A	Fuel Bowl
u	951-11348	Fuel Bowl Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04938	Fuel Drain Plug
	951-12119	Carburetor Kit - Major (Incl Ref. l,m,n,o,p,q,r,s,u & w)

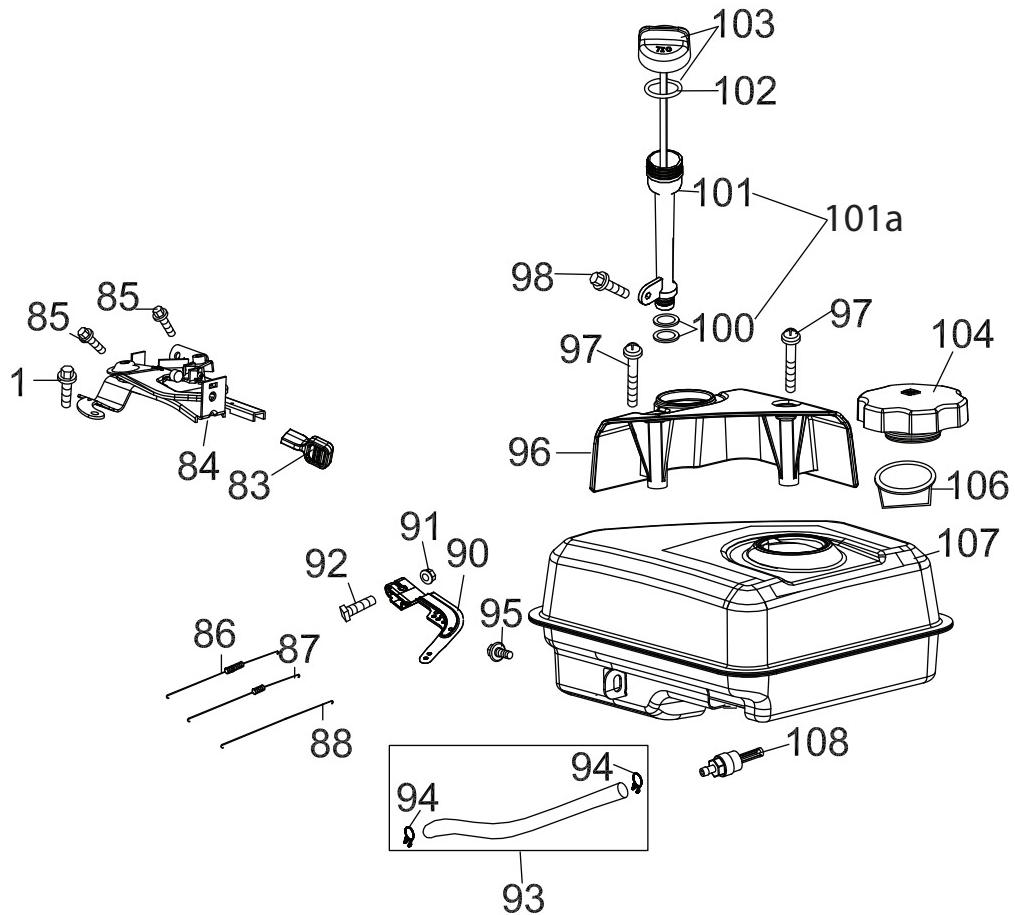
## **170-T0B Crankcase**



## 170-TOB Crankcase

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
44	951-11253	Piston Ring Set	60	715-04092	Dowel Pin 7x14
45	951-11632	Piston Pin Snap Ring	61	715-04089	Dowel Pin 9x14
46	951-12007	Piston	62	951-11371	Crankcase Cover Gasket
47	951-11633	Piston Pin	63	951-12125	Cover Comp, Left Crankcase
48	710-04915	Bolt M6x12	64	710-04932	Bolt M8x32
49	951-11113	Air Shield	65	951-11377	Oil Filler Plug Ass'y
50	951-11573	Connecting Rod Assembly	65a	951-11577	O-Ring
51	951-11356	Governor Arm Shaft	66	951-11578	Oil Seal, 25x41.25x6
52	736-04461	Washer 5.2x1.9	67	951-12155	Short Block (Incl Ref. 4,20,25,26,38, 40,41,44-47,50-70)
53	951-11574	Governor Seal	68	736-04440	Washer 10x16x1.5
54	714-04074	Cotter Pin	69	710-04906	Oil Drain Plug
55	951-11575	Camshaft Assy.	112	951-10370	Oil Drain Plug & Washer Assembly
56	951-11369	Radial Ball Bearing, 6205	113	951-11283	Oil Fill Plug Assembly
57	951-12160	Crankshaft Assembly			
58	951-10307	Woodruff Key			
59	951-11576	Governor Gear/Shft Assembly			

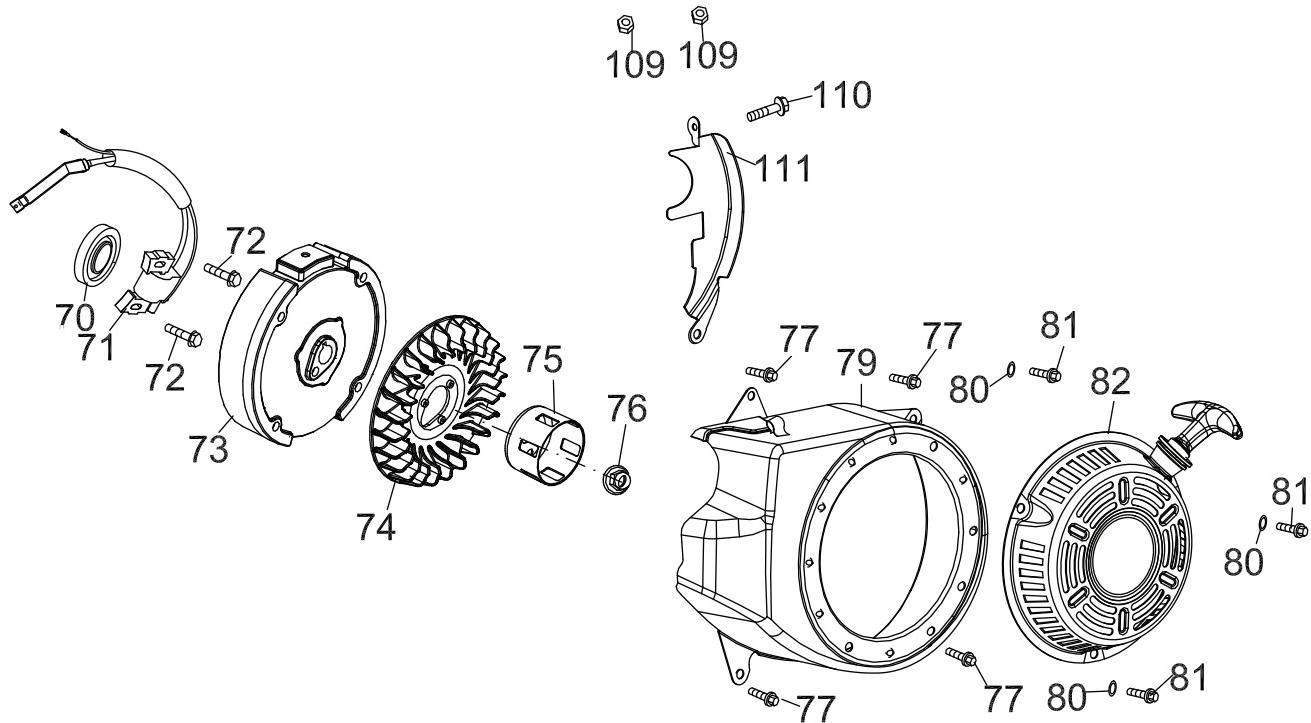
## 170-T0B Fuel Tank



Ref.	Part Number	Description
1	710-04968	Bolt M6x16
83	951-11067	Throttle Control Knob
84	951-12131	Primer Bracket
85	710-04928	Bolt M6x12
86	951-11585	Governor Spring
87	951-10664	Throttle Linkage Spring
88	951-10665	Throttle Linkage
90	951-11106	Governor Arm
91	712-04212	Nut M6
92	710-04908	Governor Arm Bolt
93	951-10650	Fuel Line Kit
94	951-11700	Fuel Hose Clamp
95	710-04915	Bolt M6x12

Ref.	Part Number	Description
96	951-10662	Dipstick Decoration Cover
97	710-04905	Bolt
98	710-04915	Bolt M6x12
100	951-11903	Oil Fill Tube O-Ring
101	951-10656	Oil Fill Tube
101a	951-11913	Oil Fill Tube Assembly
102	951-11904	Oil Fill Tube O-Ring
103	951-11912	Dipstick Assembly
104	951-10917	Fuel Cap Assembly
106	951-11933	Fuel Filter
107	951-12159	Fuel Tank
108	951-10651	Fuel Tank Nipple

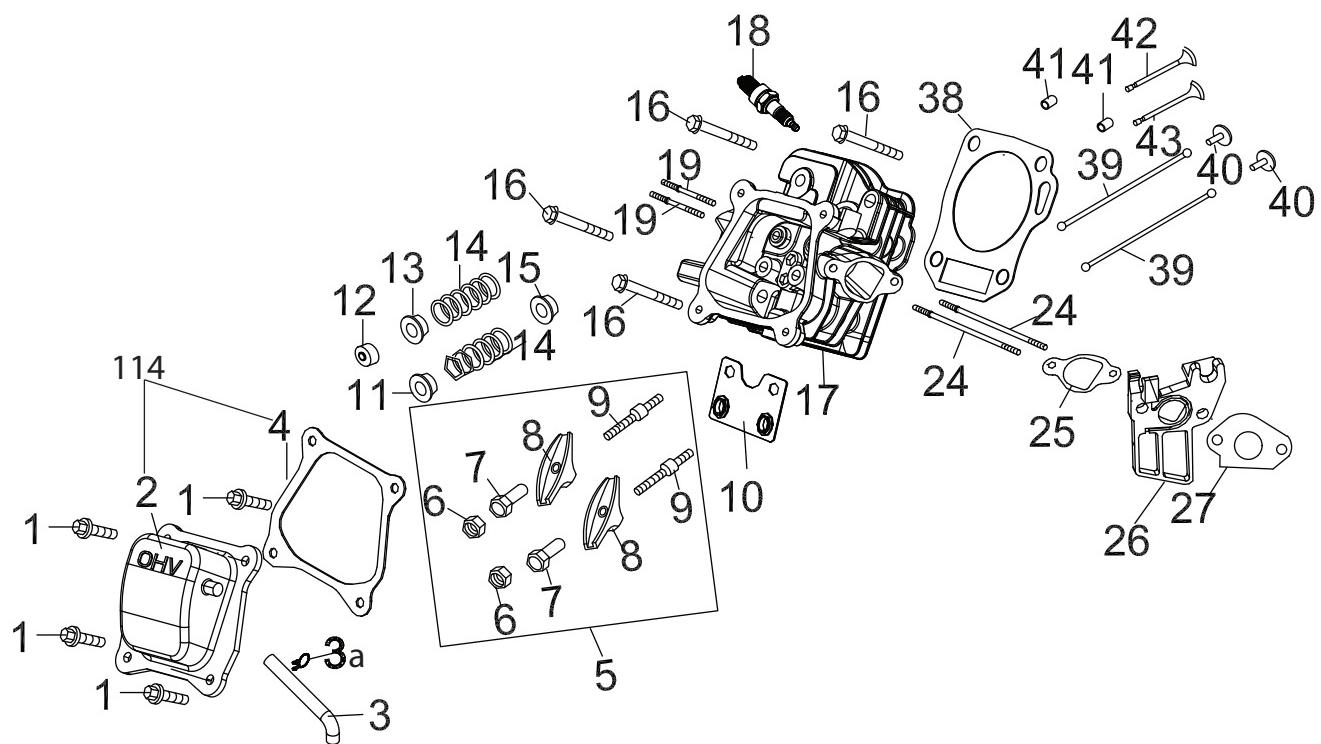
## 170-TOB Flywheel & Shroud



Ref.	Part Number	Description
70	951-12126	Oil Seal 25x41.25x6
71	951-10792	Ignition Coil Assembly
72	710-04919	Bolt M6x25
73	951-10805	Flywheel
74	951-10909	Fan, Cooling
75	951-10911	Pulley, Starter
76	712-04209	Nut, Special, M14x1.5
77	710-04915	Bolt M6x12

Ref.	Part Number	Description
79	951-11583	Blower Housing
80	736-04455	Flat Washer
81	710-04974	Bolt M6x10
82	951-12127	Recoil Starter
109	712-04212	Nut, M6
110	710-04918	Bolt M6x20
111	951-11109	Blower Housing Shield

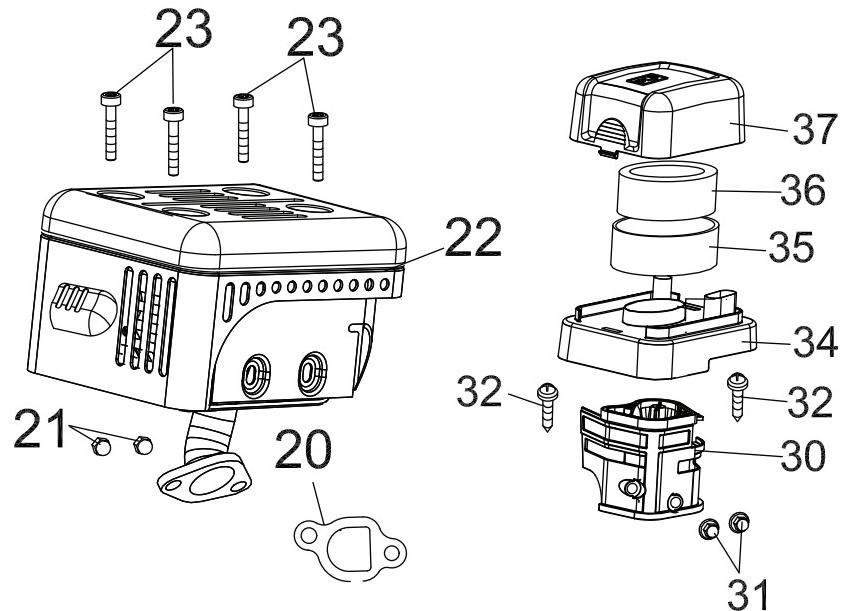
## 170-TOB Cylinder Head



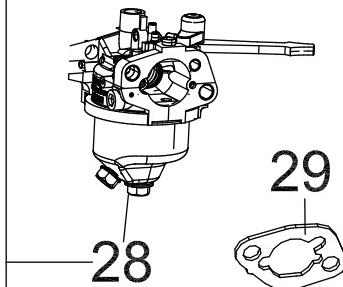
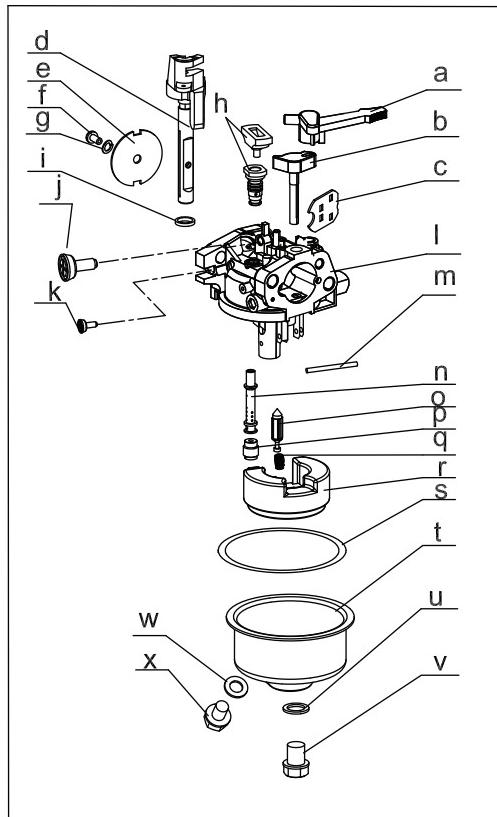
## 170-TOB Cylinder Head

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	710-04968	Bolt M6×16	19	710-05276	Muffler Stud M8×36
2	951-11054	Valve Cover	19	951-10657	Muffler Stud Assembly
3	731-07059	Breather Hose	24	710-05101	Stud M6×110
3a	726-04101	Hose Clamp	25	951-11567	Carburetor Insulator Gasket
4	951-11565	Valve Cover Gasket	26	951-11568	Carburetor Insulator
5	951-11892	Rocker Arm Assembly	27	951-11569	Carburetor Gasket
6	751-11124	Nut, Pivot Locking	38	951-11572	Gasket, Cylinder Head
7	751-11123	Adjusting Nut ,Valve	39	951-10648	Push Rod
8	951-11893	Rocker Arm	40	951-11899	Tappet
9	710-04902	Bolt, Pivot	41	715-04090	Dowel Pin 10×16
10	951-11895	Push Rod Guide	42	951-10647A	Valve Kit
11	951-12000	Retainer, In.Valve Spring	43	951-10647A	Valve Kit
12	951-12002	Adjuster, Exh Valve	114	951-11063A	Valve Cover Kit
13	951-12003	Retainer, Ex.Valve Spring		951-10819	Cylinder Head Service Kit (Incl Ref. 4,15,16 & 38)
14	951-12004	Valve Spring		951-12120	Gasket Kit, External (Incl Ref. 4,20,25,26,27,29 & 68)
15	951-11894	Intake Valve Seal		951-12121	Gasket Kit, Complete (Incl Ref. 4,20,25,26,27,29,38,52, 53,62,66,68 & 70)
16	710-04933	Bolt M8×55			
17	951-10668A	Cylinder Head Assembly (Incl Ref. 4,6-15,17,20, 25,26,38,42 & 43)			
18	951-10292	Spark Plug/F6Rtc			

## 170-V0B Air Cleaner & Muffler



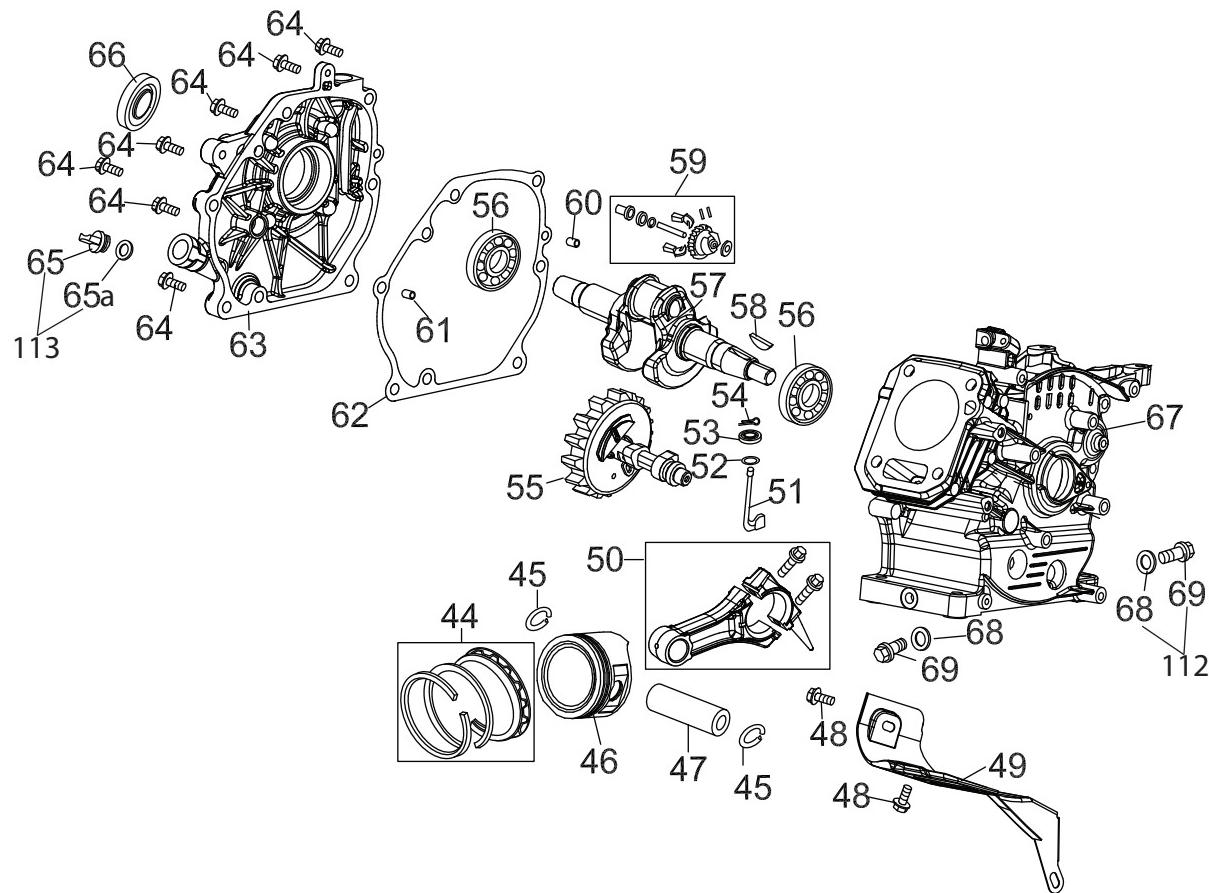
Ref.	Part Number	Description
20	951-11285	Exhaust Pipe Gasket
21	712-04214	Nut, M8
22	751-12294	Muffler Assembly
23	710-05002	Bolt
30	951-10806	Air Cleaner Housing
31	712-04213	Nut
32	710-05102	Self-Tapping Bolt M4.2x16
34	951-12135	Silencer Plate
35	951-10794	Air Cleaner Assembly
36	951-10794	Air Cleaner Assembly
37	951-12136	Air Cleaner Cover



Ref.	Part Number	Description
28	951-10797	Carburetor Assembly
29	951-11571	Carburetor Gasket Plate
a	951-11177	Control Lever, Choke
b	N/A	Choke Shaft
c	N/A	Choke Plate
d	N/A	Throttle Shaft
e	N/A	Throttle Plate
f	N/A	Screw M3x5
g	N/A	Lock Washer
h	N/A	Idle Jet Assembly
i	N/A	Gasket, Throttle Plate
j	N/A	Idle Speed Adjusting Screw
k	N/A	Mixture Screw
l	N/A	Carburetor Body

Ref.	Part Number	Description
m	N/A	Float Pin
n	N/A	Emulsion Tube
o	N/A	Needle Valve
p	N/A	Main Jet
q	N/A	Needle Valve Spring
r	N/A	Float
s	951-11589	Fuel Bowl Gasket
t	N/A	Fuel Bowl
u	951-11348	Fuel Bowl Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04938	Fuel Drain Plug
	951-12119	Carburetor Kit - Major (Incl Ref. l,m,n,o,p,q,r,s,u & w)

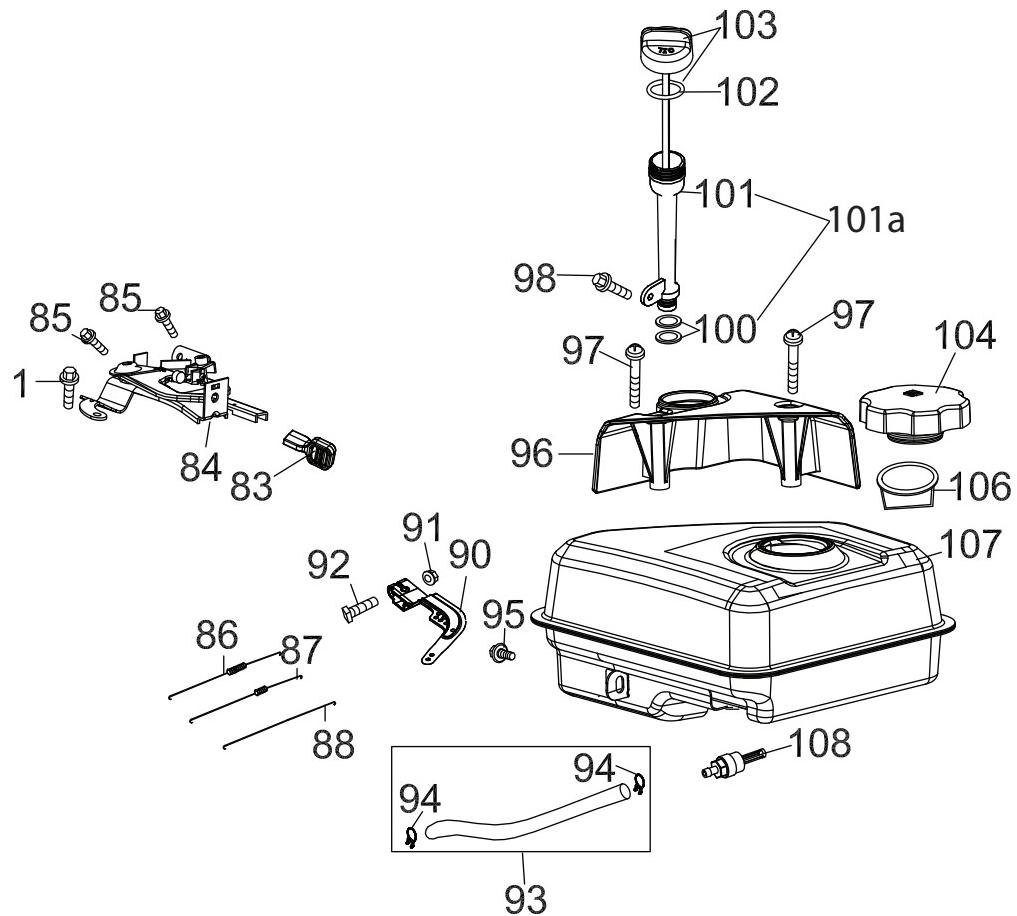
## 170-V0B Crankcase



## 170-V0B Crankcase

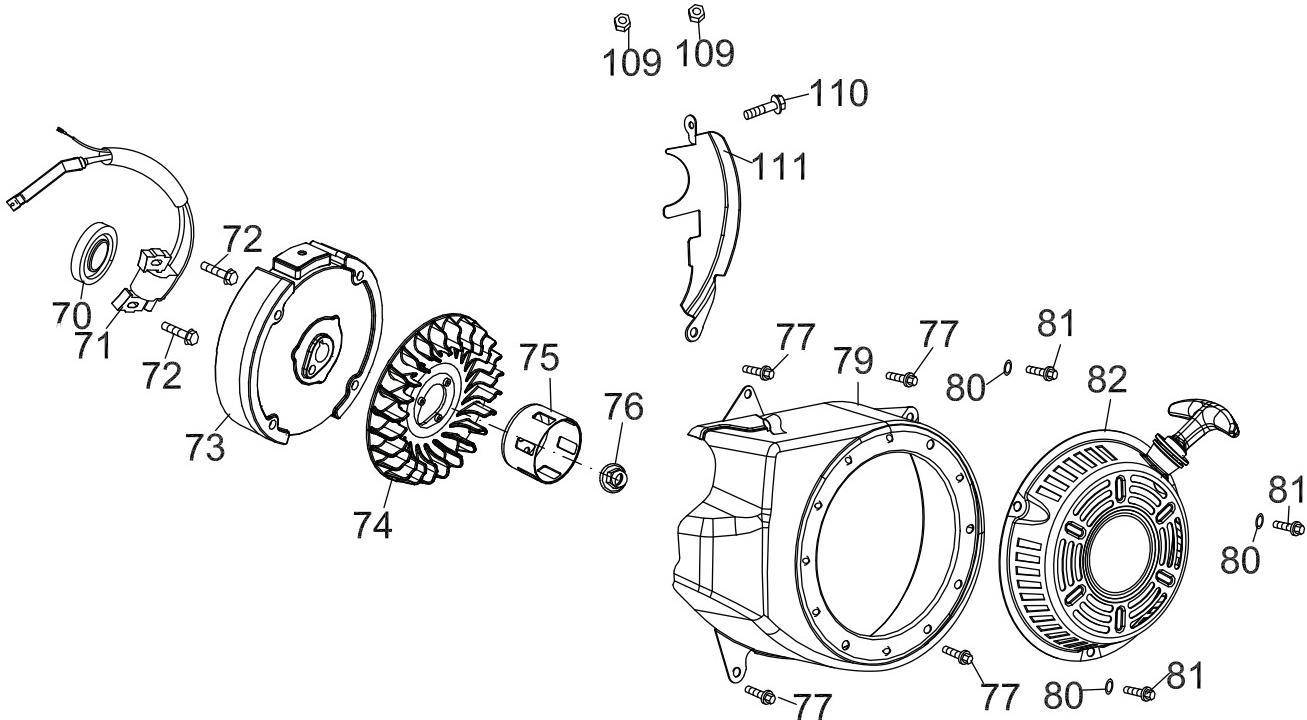
<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
44	951-11253	Piston Ring Set	60	715-04092	Dowel Pin 7x14
45	951-11632	Piston Pin Snap Ring	61	715-04089	Dowel Pin 9x14
46	951-12007	Piston	62	951-11371	Crankcase Cover Gasket
47	951-11633	Piston Pin	63	951-12125	Cover Comp, Left Crankcase
48	710-04915	Bolt M6x12	64	710-04932	Bolt M8x32
49	951-11113	Air Shield	65	951-11377	Oil Filler Plug Ass'y
50	951-11573	Connecting Rod Assembly	65a	951-11577	O-Ring
51	951-11356	Governor Arm Shaft	66	951-11578	Oil Seal, 25x41.25x6
52	736-04461	Washer 5.2x1.9	67	951-12155	Short Block (Incl Ref. 4,20,25,26,38, 40,41,44-47,50-70)
53	951-11574	Governor Seal	68	736-04440	Washer 10x16x1.5
54	714-04074	Cotter Pin	69	710-04906	Oil Drain Plug
55	951-11575	Camshaft Assy.	112	951-10370	Oil Drain Plug & Washer Assembly
56	951-11369	Radial Ball Bearing, 6205	113	951-11283	Oil Fill Plug Assembly
57	951-12160	Crankshaft Assembly			
58	951-10307	Woodruff Key			
59	951-11576	Governor Gear/Shft Assembly			

## 170-V0B Fuel Tank



Ref.	Part Number	Description	Ref.	Part Number	Description
1	710-04968	Bolt M6x16	96	951-11914	Dipstick Decoration Cover
83	951-11067	Throttle Control Knob	97	710-04905	Bolt
84	951-12131	Primer Bracket	98	710-04915	Bolt M6x12
85	710-04928	Bolt M6x12	100	951-11903	Oil Fill Tube O-Ring
86	951-11585	Governor Spring	101	951-10656	Oil Fill Tube
87	951-10664	Throttle Linkage Spring	101a	951-11913	Oil Fill Tube Assembly
88	951-10665	Throttle Linkage	102	951-11904	Oil Fill Tube O-Ring
90	951-11106	Governor Arm	103	951-11912	Dipstick Assembly
91	712-04212	Nut M6	104	951-10917	Fuel Cap Assembly
92	710-04908	Governor Arm Bolt	106	951-11933	Fuel Filter
93	951-10650	Fuel Line Kit	107	951-12159	Fuel Tank
94	951-11700	Fuel Hose Clamp	108	951-10651	Fuel Tank Nipple
95	710-04915	Bolt M6x12			

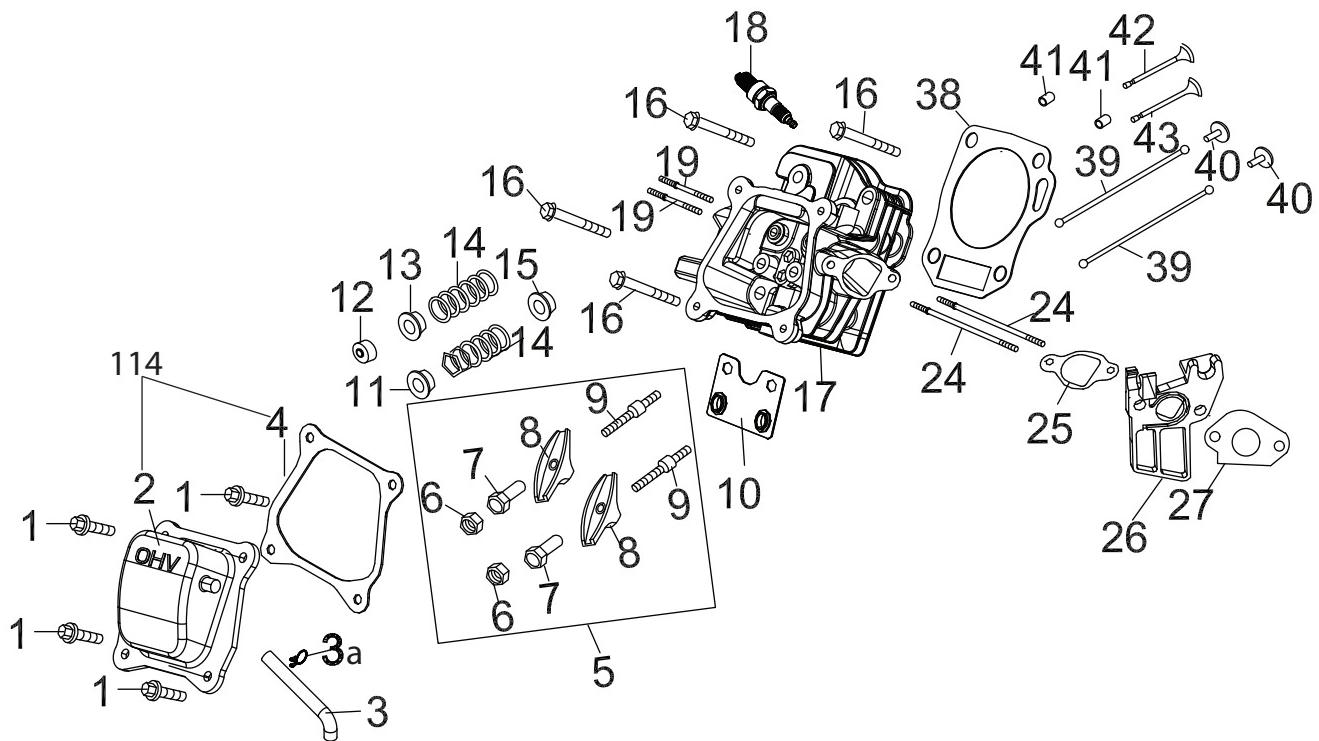
# 170-V0B Flywheel & Shroud



Ref.	Part Number	Description
70	951-12126	Oil Seal 25x41.25x6
71	951-10792	Ignition Coil Assembly
72	710-04919	Bolt M6x25
73	951-10805	Flywheel
74	951-10909	Fan, Cooling
75	951-10911	Pulley, Starter
76	712-04209	Nut, Special, M14x1.5
77	710-04915	Bolt M6x12

Ref.	Part Number	Description
79	951-11583	Blower Housing
80	736-04455	Flat Washer
81	710-04974	Bolt M6x10
82	951-12127	Recoil Starter
109	712-04212	Nut, M6
110	710-04918	Bolt M6x20
111	951-11109	Blower Housing Shield

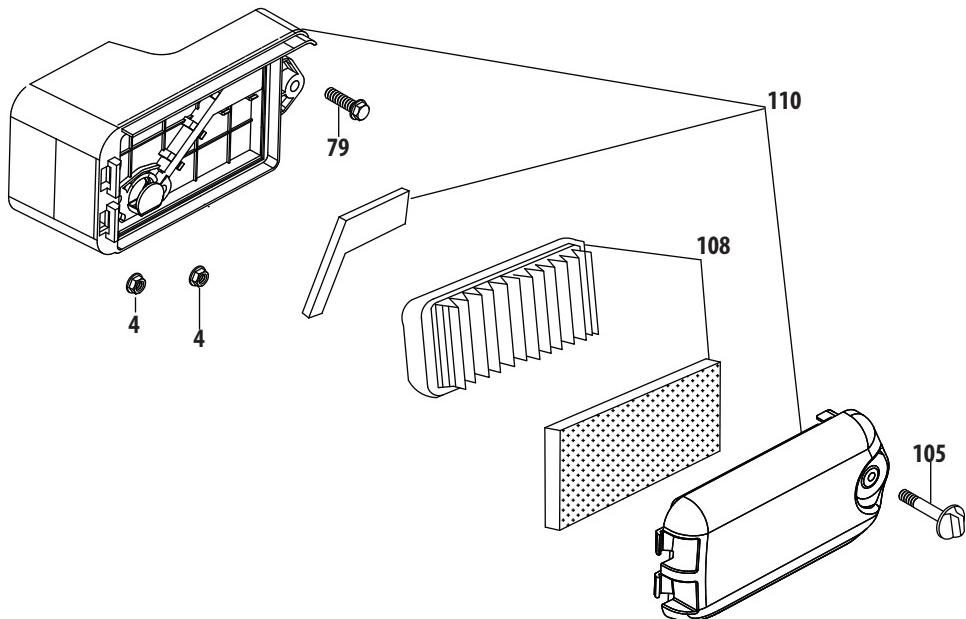
## 170-V0B Cylinder Head



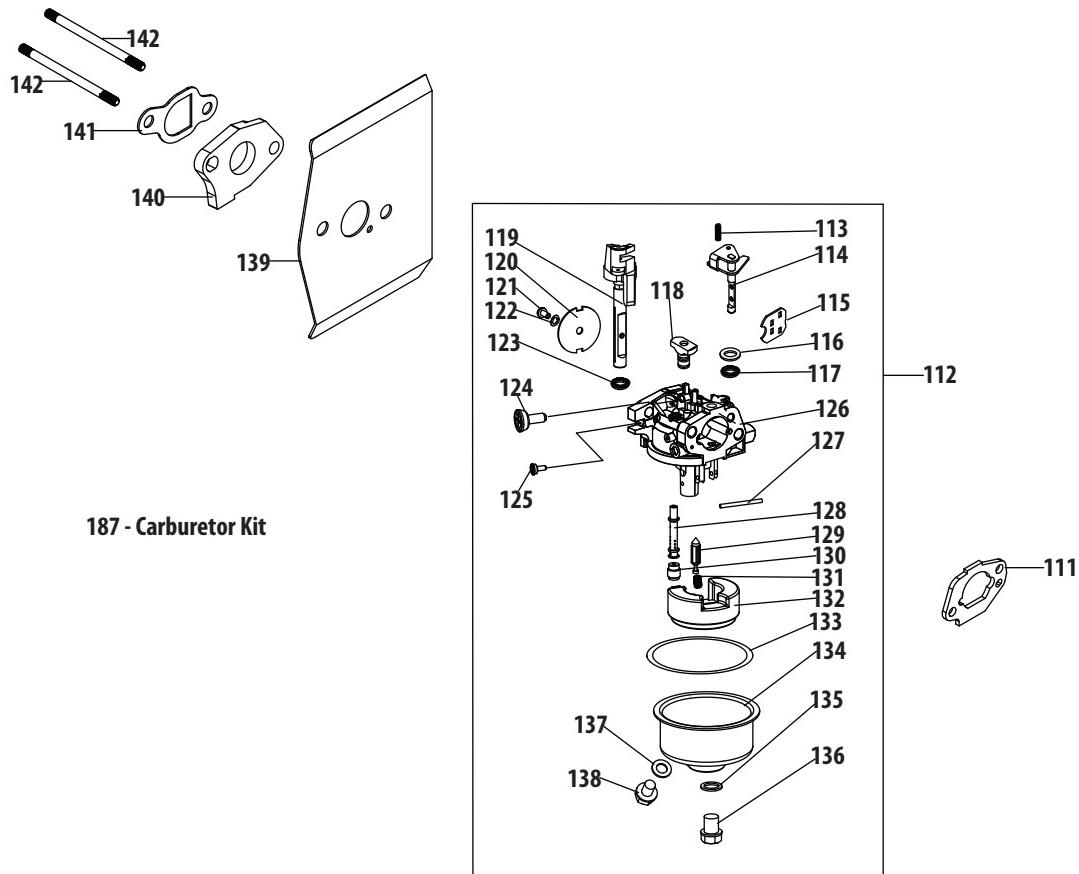
# 170-V0B Cylinder Head

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	710-04968	Bolt M6×16	19	710-05276	Muffler Stud M8×36
2	951-11054	Valve Cover	19	951-10657	Muffler Stud Assembly
3	731-07059	Breather Hose	24	710-05101	Stud M6×110
3a	726-04101	Hose Clamp	25	951-11567	Carburetor Insulator Gasket
4	951-11565	Valve Cover Gasket	26	951-11568	Carburetor Insulator
5	951-11892	Rocker Arm Assembly	27	951-11569	Carburetor Gasket
6	751-11124	Nut, Pivot Locking	38	951-11572	Gasket, Cylinder Head
7	751-11123	Adjusting Nut ,Valve	39	951-10648	Push Rod
8	951-11893	Rocker Arm	40	951-11899	Tappet
9	710-04902	Bolt, Pivot	41	715-04090	Dowel Pin 10×16
10	951-11895	Push Rod Guide	42	951-10647A	Valve Kit
11	951-12000	Retainer, In.Valve Spring	43	951-10647A	Valve Kit
12	951-12002	Adjuster, Exh Valve	114	951-11063A	Valve Cover Kit
13	951-12003	Retainer, Ex.Valve Spring		951-10819	Cylinder Head Service Kit (Incl Ref. 4,15,16 & 38)
14	951-12004	Valve Spring		951-12120	Gasket Kit, External (Incl Ref. 4,20,25,26,27,29 & 68)
15	951-11894	Intake Valve Seal		951-12121	Gasket Kit, Complete (Incl Ref. 4,20,25,26,27,29,38,52, 53,62,66,68 & 70)
16	710-04933	Bolt M8×55			
17	951-10668A	Cylinder Head Assembly (Incl Ref. 4,6-15,17,20, 25,26,38,42 & 43)			
18	951-10292	Spark Plug/F6Rtc			

## 1P65TU Air Cleaner



Ref.	Part Number	Description
4	712-04212	Nut M6X10Mm
79	710-04980	Bolt M6X35
105	951-10297	Air Filter Cover Thumb Screw
108	951-10298	Air Filter Element, Paper
110	951-10405	Air Cleaner Housing Ass'y



Ref.	Part Number	Description
111	951-11525	Carburetor Gasket Plate
112	951-12446	Carburetor Assembly
113	n/a	Detent Spring
114	n/a	Choke Shaft
115	n/a	Choke Plate
116	736-04556	Choke Shaft Washer
117	n/a	Choke Shaft Fiber O-Ring
118	n/a	Idle Jet Assembly
119	n/a	Throttle Shaft
120	n/a	Throttle Plate
121	n/a	Screw M3X6 Throttle Plate
122	n/a	Throttle Plate Lock Washer
123	n/a	Throttle Shaft Fiber O-Ring
124	n/a	Idle Speed Adjusting Screw
125	n/a	Idle Mixture Screw
126	n/a	Carburetor Body
127	n/a	Float Pin

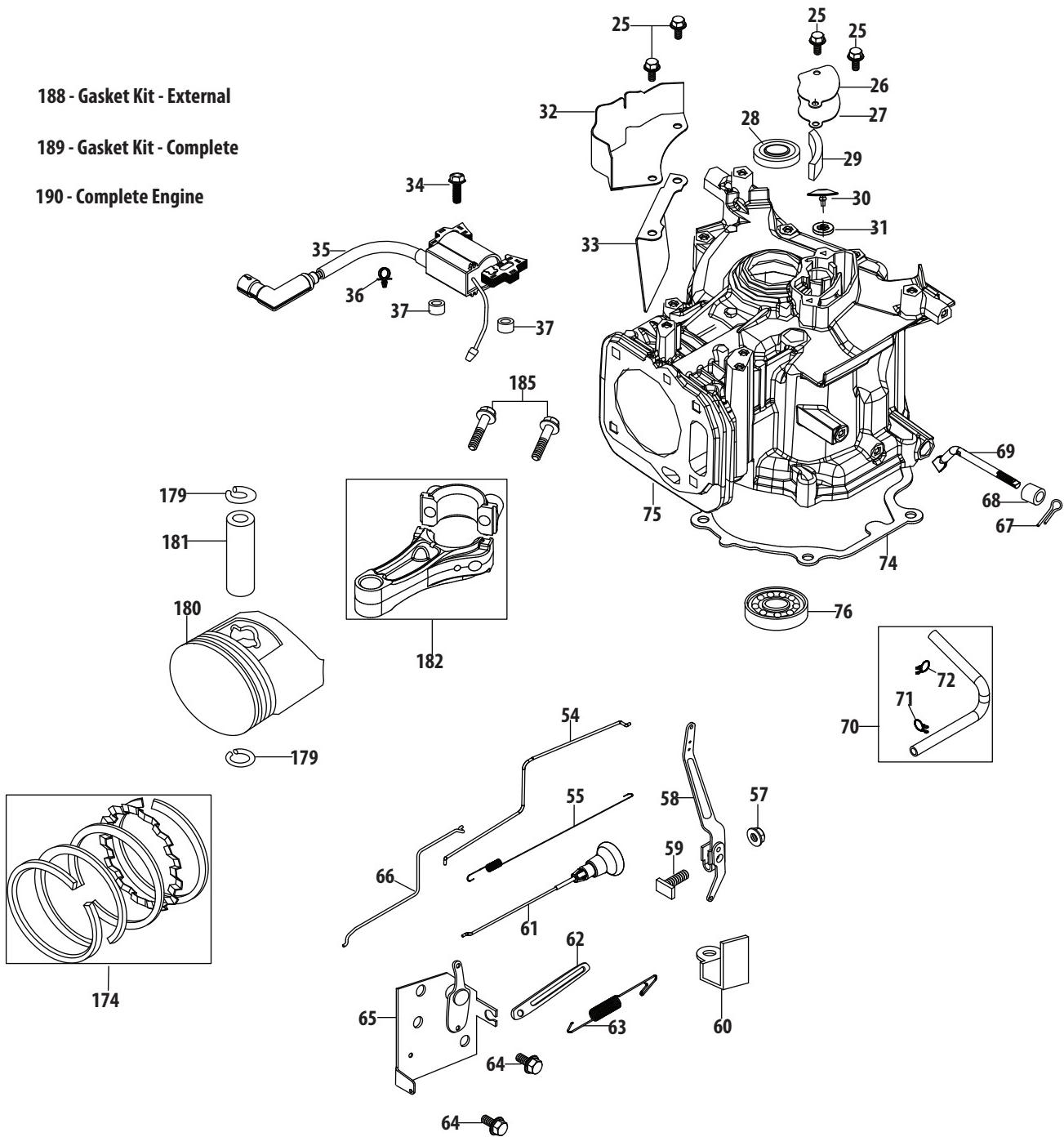
Ref.	Part Number	Description
128	n/a	Emulsion Tube
129	n/a	Needle Valve
130	n/a	Main Jet
131	n/a	Needle Valve Spring
132	n/a	Float
133	951-11589	Fuel Bowl O-Ring
134	n/a	Fuel Bowl
135	951-11348	Fuel Bowl Gasket
136	710-04945	Fuel Bowl Mounting Bolt
137	951-11349	Fuel Drain Plug Gasket
138	710-04938	Fuel Drain Plug
139	951-12451	Carburetor Gasket
140	951-11738	Carburetor Insulator
141	951-11528	Carburetor Insulator Gasket
142	710-05093	Carb Stud M6X92
187	951-12178A	Carburetor Kit - Major (Incl.118,123,124,127-133,135,137)

# 1P65TU Crankcase

188 - Gasket Kit - External

189 - Gasket Kit - Complete

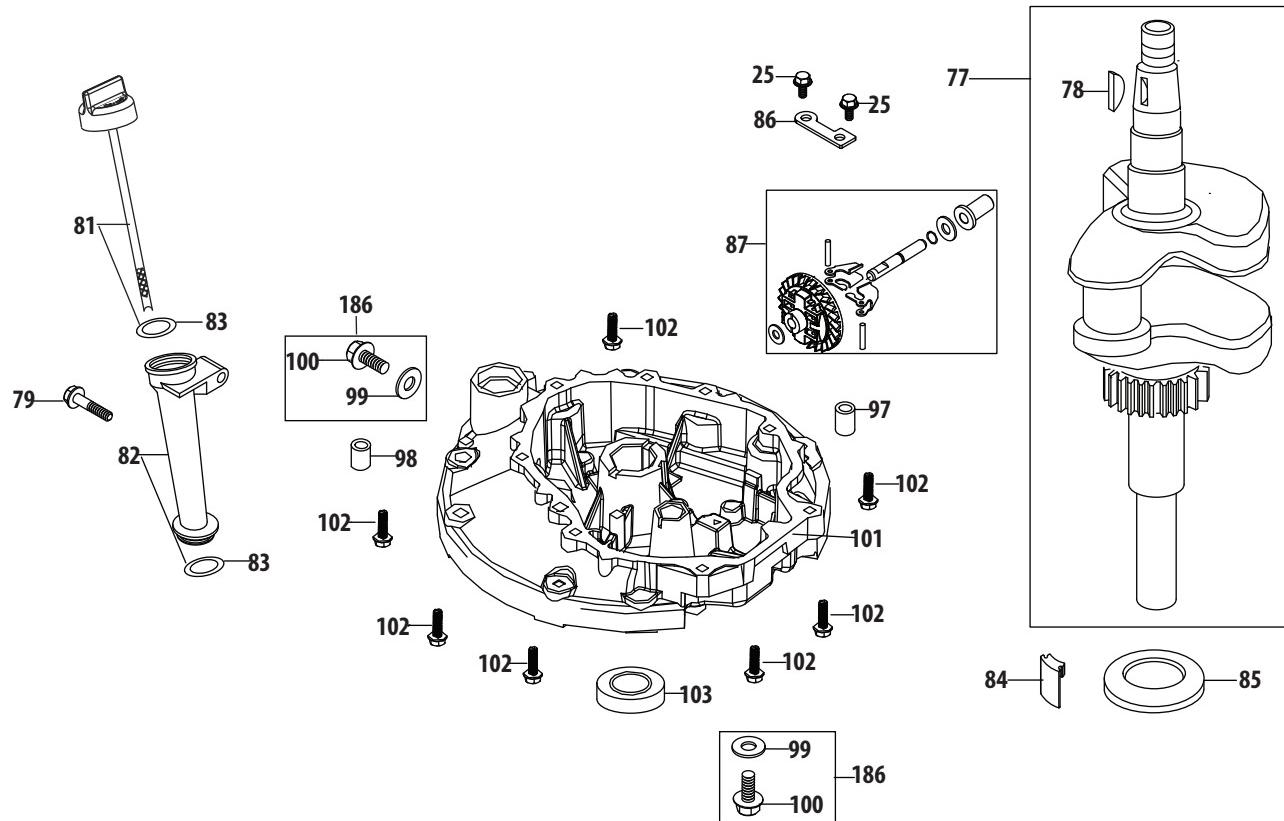
190 - Complete Engine



# 1P65TU Crankcase

Ref.	Part Number	Description	Ref.	Part Number	Description
25	710-04916	Bolt M6X14	67	714-04074	Governor Arm Shaft Cotter Pin
26	951-12684	Breather Cover Plate	68	951-11574	Governor Seal
27	951-11729	Breather Gasket	69	951-11608	Governor Arm Shaft
28	951-11596	Upper Crankshaft Seal	70	951-11520	Breather Hose Assembly
29	951-11730	Breather Screen	71	726-04101	Breather Hose Clamp
30	951-12685	Breather Valve	72	726-04128	Breather Hose Clamp
31	951-12686	Breather Valve Base	74	951-11732	Crankcase Cover Gasket
32	951-11673	Engine Brake Cover Plate	75	951-12692	Short Block Assembly (Incl.25-31,67-69,74-78,85-87,97-103, 111,140,141,157,160,169,170, 172-174,179-182)
33	951-11602	Label Bracket	76	951-11369	Main Bearing
34	710-04969	Bolt M6X30	174	951-11688	Piston Ring Set
35	951-10620	Ignition Coil Assembly	179	951-11603	Piston Pin Snap Ring
36	951-11674	Ignition Wire Clip	180	951-11605	Piston
37	951-11675	Ignition Coil Spacer	181	951-11604	Piston Pin
54	951-11677	Throttle Linkage	182	951-11744	Connecting Rod Assembly
55	951-11522	Throttle Linkage Spring	185	710-05162	Connecting Rod Bolt
57	712-04212	Governor Arm Nut M6	188	951-12449	Gasket Kit - External (Incl.27,83,99,139-141,157,160)
58	951-11678	Governor Arm	189	951-12448	Gasket Kit - Complete (Incl.27,28,68,74,83,99,103, 139-141,157,160,169)
59	710-04908	Governor Arm Bolt	190	952Z1P65TU	Complete Engine
60	951-11679	Governor Arm Guard			
61	951-10619	Choke Control			
62	951-11680	Flexible Clamp			
63	951-10387	Governor Spring			
64	710-04915	Bolt M6X12			
65	951-11681	Component Bracket			
66	951-11694	Choke Linkage			

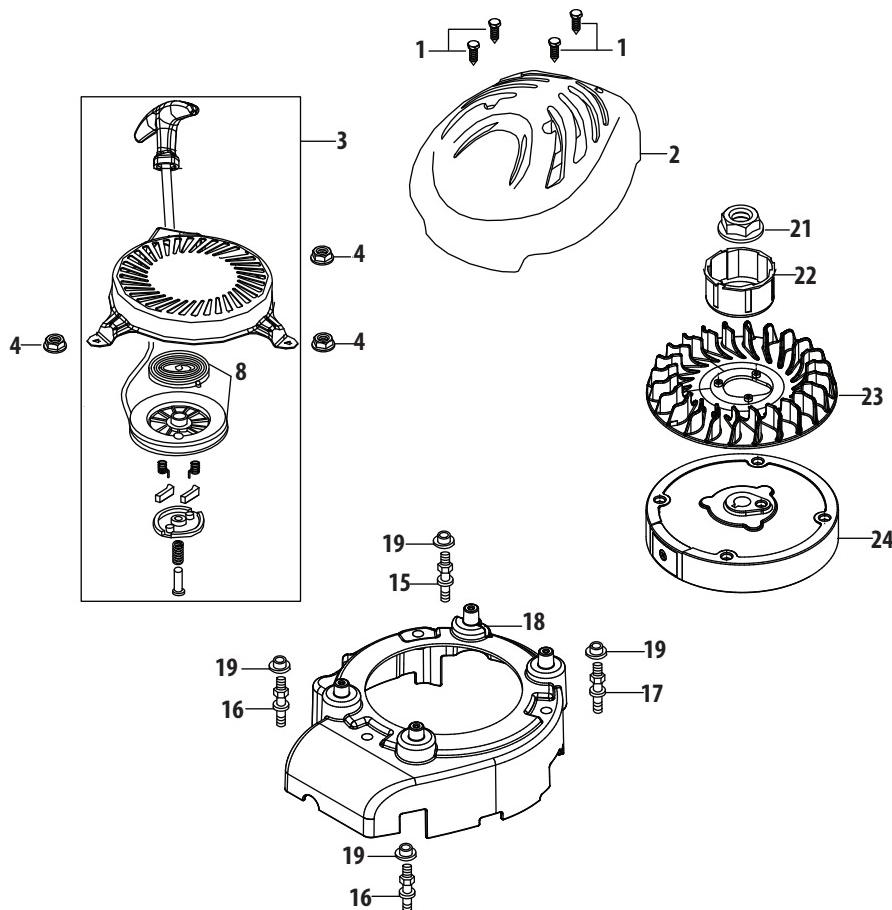
# 1P65TU Crankshaft & Crankcase Cover



Ref.	Part Number	Description
25	710-04916	Bolt M6X14
77	951-11682	Crankshaft Assembly
78	951-10307	Flywheel Key
79	710-04980	Bolt M6X35
81	951-12696	Dipstick Assembly
82	951-11765	Oil Fill Tube
83	951-11547	Dipstick / Oil Fill Tube O-Ring
84	951-11733	Oil Return Seal
85	736-04491	Crankshaft Thrust Washer
86	951-11609	Governor Gear Mounting Plate

Ref.	Part Number	Description
87	951-11549	Governor Gear/Shaft Assembly
97	715-04092	Crankcase Cover Dowel Pin 7x14
98	715-04089	Crankcase Cover Dowel Pin 9x14
99	736-04440	Oil Drain Plug Washer
100	710-04906	Oil Drain Plug
101	951-11793	Crankcase Cover
102	710-04920	Bolt M6X28
103	951-11545	Lower Crankshaft Seal
186	951-10370	Oil Drain Plug & Washer Ass'y

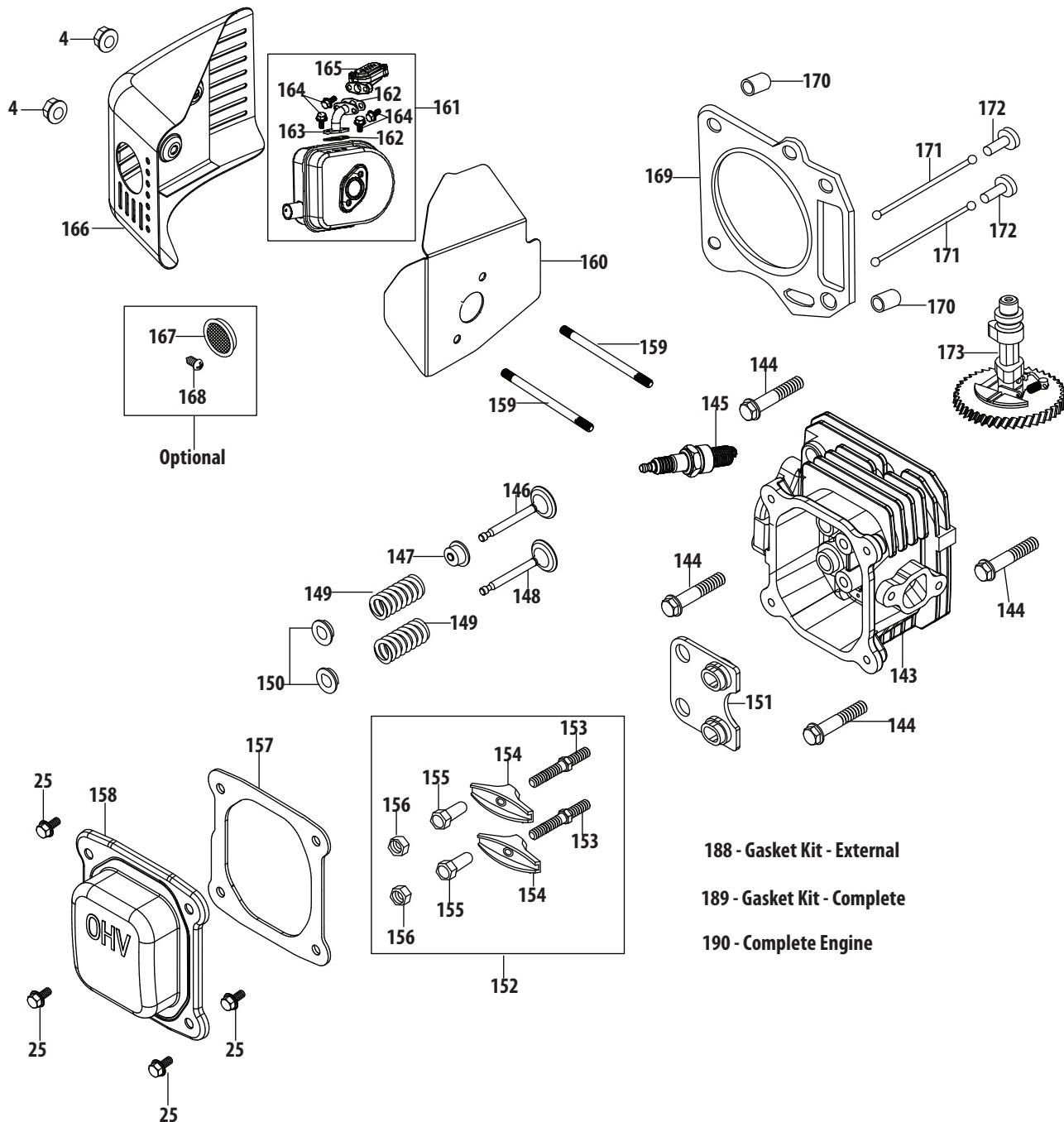
## 1P65TU Flywheel & Shroud



Ref.	Part Number	Description
1	710-04744	Screw, #12-16 X 1.00"
2		Outer Shroud (Model Specific)
3	951-12683	Recoil Starter Assembly
4	712-04212	Nut M6X10Mm
8	951-11721	Starter Pulley
15	751-11722	Stud Left/Black/Ye Zinc
16	951-11723	Stud Front/Unmarked/Ye Zinc
17	951-11724	Stud Right/White/Ye Zinc

Ref.	Part Number	Description
18	951-10336	Inner Shroud
18	951-12879	Inner Shroud Assy (Incl.17)
19	750-05320	Engine Shroud Spacer
21	712-04287	Flywheel Nut M14
22	951-12161	Starter Cup
23	951-10934	Cooling Fan
24	951-11042	Flywheel

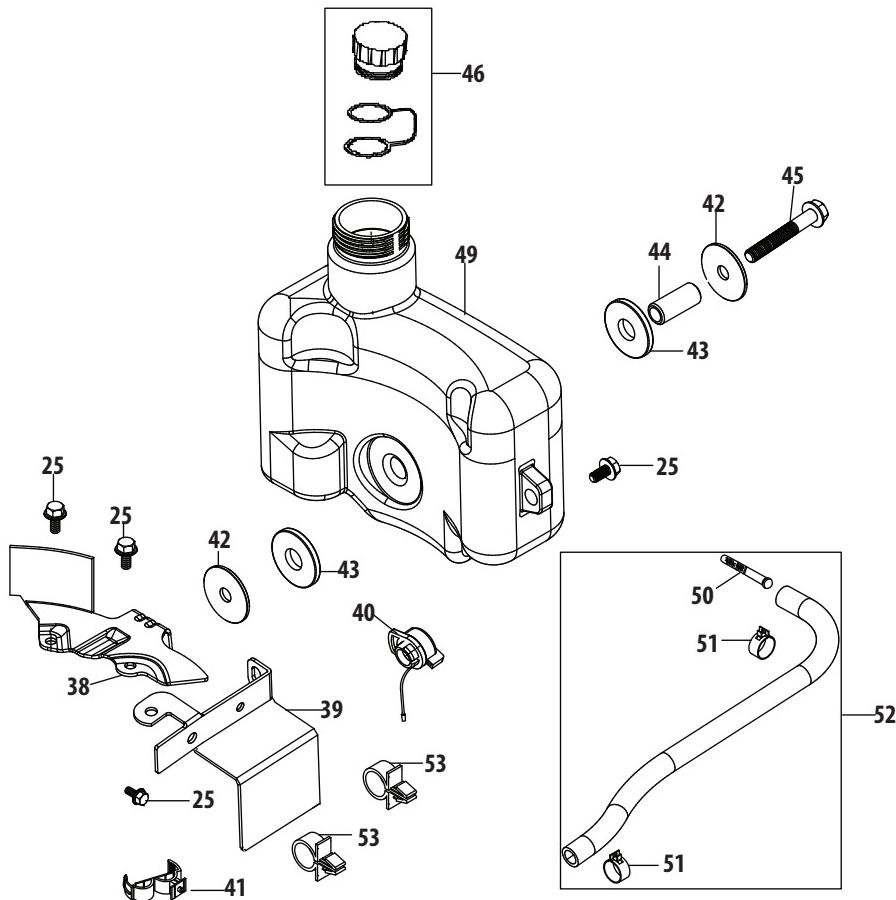
## **1P65TU Cylinder Head**



# 1P65TU Cylinder Head

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
4	712-04212	Nut M6X10Mm	159	710-05094	Muffler Stud M6X95
25	710-04916	Bolt M6X14	159	951-10342	Muffler Stud Ass'Y
143	951-10846A	Cylinder Head Service Kit (Incl.144,147,157,169)	160	951-11739	Muffler Gasket
	951-11746	Cylinder Head Assembly (Incl.140,141,143,146-151, 153-157,160,169)	161	951-12740	Muffler Assembly
144	710-04982	Bolt M8X54	162	951-12743	Secondary Air Valve Gasket
145	951-10292	Spark Plug/F6Rtc	163	951-12742	Secondary Air Tube
146	951-10313	Valve Kit	164	710-05434	Bolt M6x12 Secondary Air Tube/Valve
147	951-11818	Intake Valve Seal	165	951-12865	Secondary Air Valve
148	951-10313	Valve Kit	166	951-12744	Muffler Shield
149	951-12004	Valve Spring	167	951-10351	Spark Arrestor
150	951-11977	Valve Spring Retainer	168	710-04983	Spark Arrestor Screw
151	951-11687	Push Rod Guide	169	951-11555	Cylinder Head Gasket
152	951-11606	Rocker Arm Assembly	170	715-04108	Cylinder Head Dowel Pin 10x16
153	710-04902	Rocker Arm Stud	171	951-10314	Push Rod Kit
154	951-12001	Rocker Arm	172	951-11607	Tappet
155	751-11123	Fulcrum Nut	173	951-11741	Camshaft Assembly
156	751-11124	Jam Nut	188	951-12449	Gasket Kit - External (Incl.27,83,99,139-141,157,160)
157	951-11551	Valve Cover Gasket	189	951-12448	Gasket Kit - Complete (Incl.27,28,68,74,83,99,103, 139-141,157,160,169)
158	951-11548	Valve Cover	190	952Z1P65TU	Complete Engine

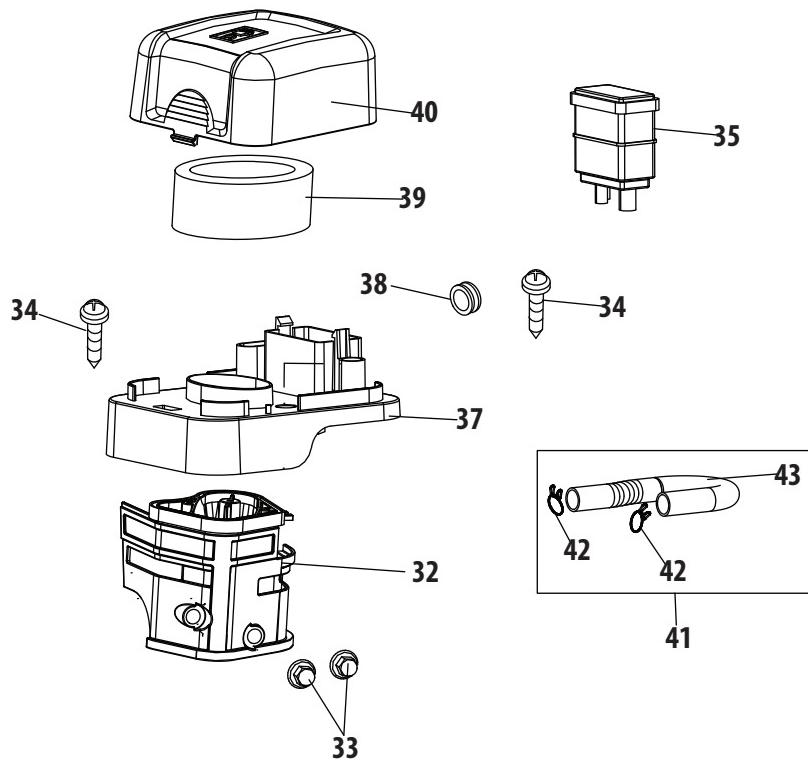
# 1P65TU Fuel Tank



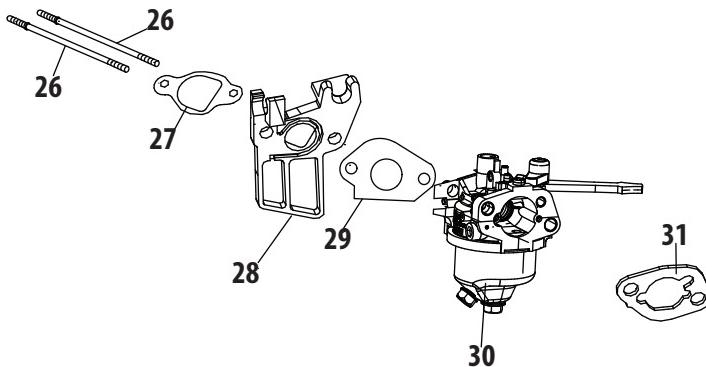
Ref.	Part Number	Description
25	710-04916	Bolt M6X14
38	951-11542	Fuel Tank Bottom Bracket
39	951-12450	Fuel Tank / Console Bracket
40	951-10622	Ignition Switch
41	951-11676	Wire Clamp
42	736-04456	Fuel Tank Washer
43	951-10335	Rubber Bushing
44	750-05322	Fuel Tank Bushing
45	710-04922	Bolt M8X50
46	951-12738	Fuel Cap Assembly
49	951-12864	Fuel Tank Assembly
50	951-10358A	Fuel Filter
51	951-11731	Fuel Hose Clamp
52	951-10363	Fuel Line Kit
53	723-04071	Plastic Support Clamp



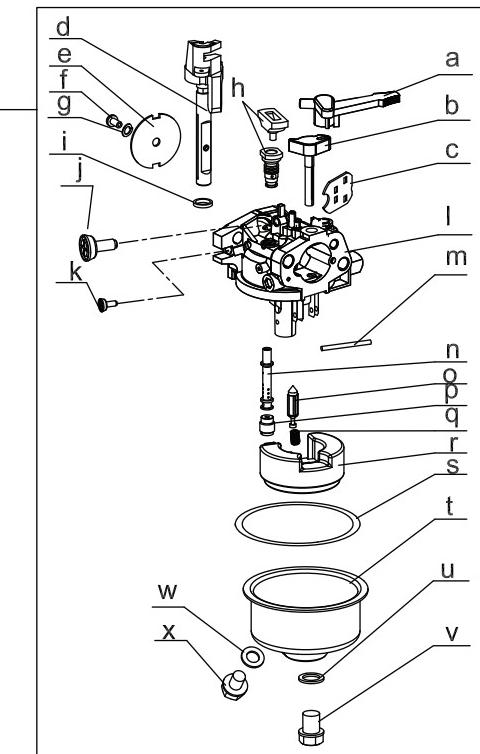
## 170-TU Air Cleaner



Ref.	Part Number	Description
32	951-10806	Air Cleaner Housing
33	712-04213	Nut
34	951-14068	Self-Tapping Bolt M4.2×16
35	951-14069	Carbon Canister
37	951-14070	Silencer Plate
38	750-05314	Rubber Shock Pad
39	951-10794	Air Filter Assembly
40	951-14071	Air Filter Cover
41	951-14072	Primer Hose
42	951-14073	Clamp
43	951-14074	Exhaust Piping



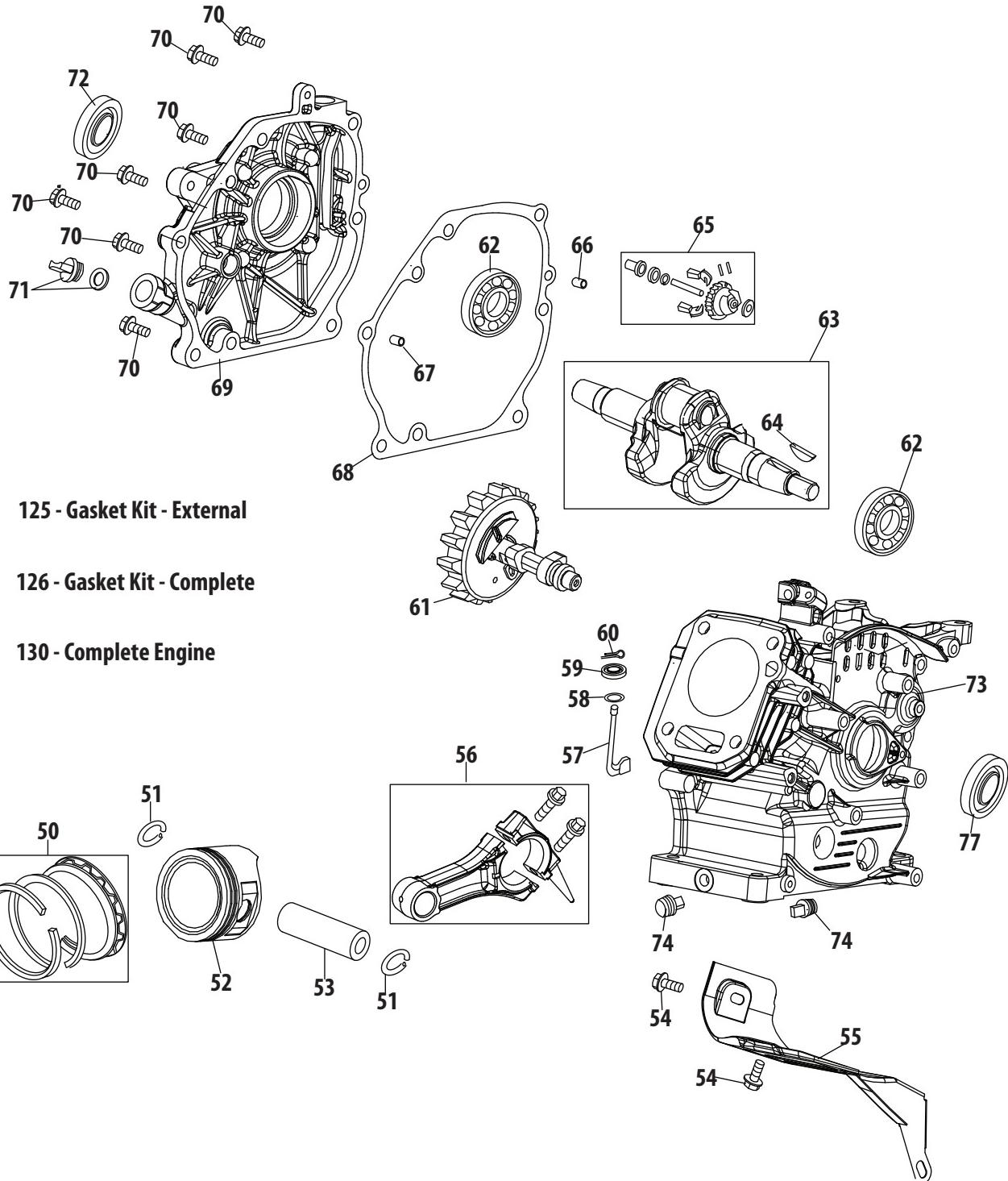
127 - Carburetor Kit - Major



Ref.	Part Number	Description
26	710-05101	Stud M6x110
27	951-11567	Carburetor Insulator Gasket
28	951-11568	Carburetor Insulator
29	951-11569A	Carburetor Gasket
30	951-12124	Carburetor Assembly
31	951-11571	Carburetor Gasket Plate
127	951-12119A	Carburetor Kit - Major
a	951-11177	Control Lever,Choke
b	n/a	Choke Shaft
c	n/a	Choke Plate
d	n/a	Throttle Shaft
e	n/a	Throttle Plate
f	n/a	Screw M3x5
g	736-04638	Lock Washer
h	n/a	Idle Jet Assembly
i	n/a	Gasket, Throttle Plate

Ref.	Part Number	Description
j	n/a	Idle Speed Adjusting Screw
k	n/a	Mixture Screw
l	n/a	Carburetor Body
m	n/a	Float Pin
n	n/a	Emulsion Tube
o	n/a	Needle Valve
p	n/a	Main Jet
q	n/a	Needle Valve Spring
r	n/a	Float
s	951-11589	Fuel Bowl Gasket
t	n/a	Fuel Bowl
u	951-11348	Fuel Bowl Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04938	Fuel Drain Plug

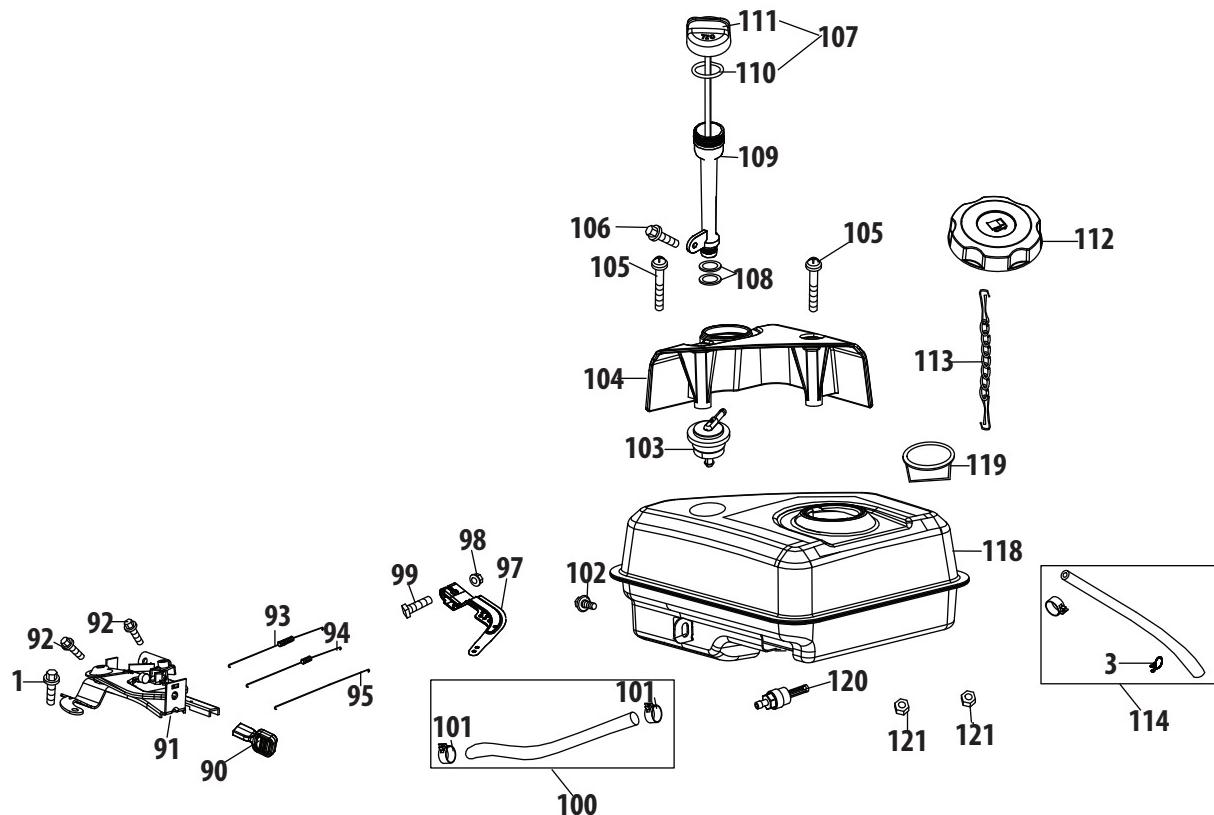
## 170-TU Crankshaft & Crankcase



## 170-TU Crankshaft & Crankcase

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
50	951-12111	Piston Ring Set	67	715-04089	Dowel Pin 9x14
51	951-11632	Piston Pin Snap Ring	68	951-11371	Crankcase Cover Gasket
52	951-12007	Piston	69	951-12125	Cover Comp, Left Crankcase
53	951-11633	Piston Pin	70	710-04932	Bolt M8x32
54	710-04915	Bolt M6x12	71	951-11283	Oil Plug
55	951-11113	Air Shield	72	951-11578	Oil Seal, 25x41.25x6
56	951-11573	Connecting Rod Assembly	73	951-12551	Short Block (Incl.6,22,27,28,44,46,47, 50-53,56-70,72-75)
57	951-11356	Governor Arm Shaft	74	951-12514	Oil Drain Plug
58	736-04461	Washer 5.2x1.9	77	951-12126	Oil Seal 25x41.25x6
59	951-11574	Governor Seal	125	951-12573	Gasket Kit - External (Incl.6,22,27-29,31)
60	714-04074	Cotter Pin	126	951-12572	Gasket Kit - Complete (Incl.6,22,27-29,31,44, 58,59,68,72,75)
61	951-11575	Camshaft Assy.	130	952Z170-TU	Complete Engine
62	951-11369	Radial Ball Bearing, 6205			
63	951-12160	Crankshaft Assembly			
64	951-10307	Woodruff Key			
65	951-11576	Governor Gear/Shft Assembly			
66	715-04092	Dowel Pin 7x14			

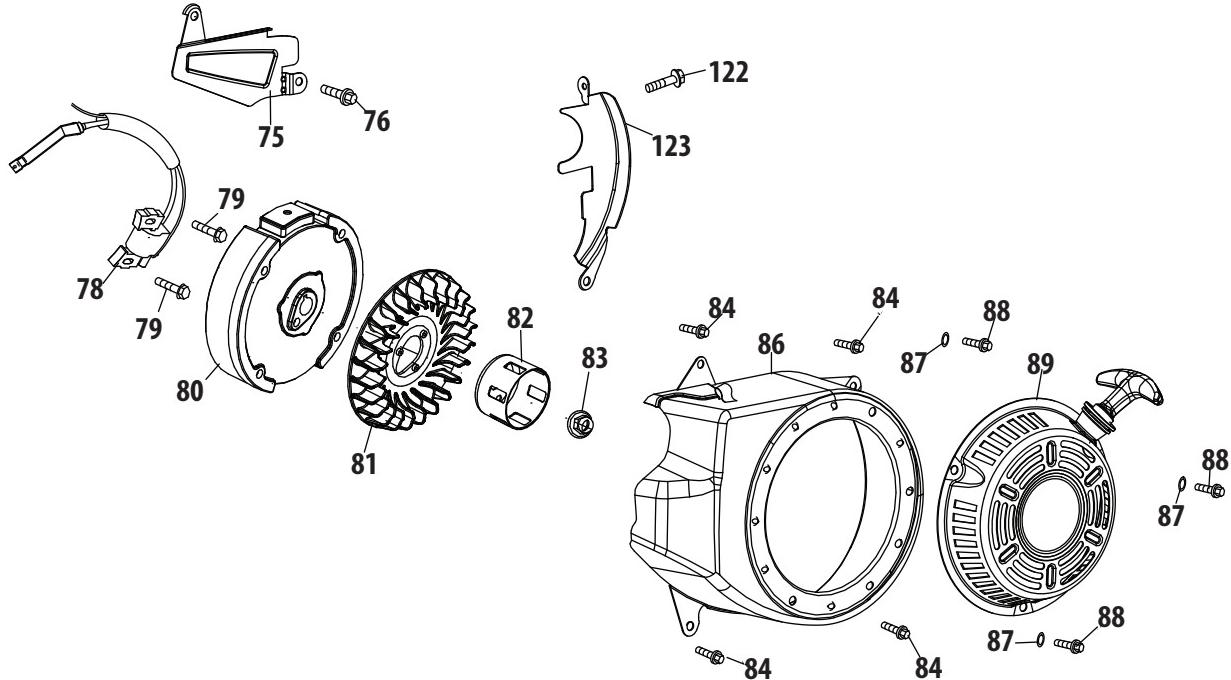
## 170-TU Fuel Tank & Mounting



Ref.	Part Number	Description
1	710-04968	Bolt M6x16
3	726-04101	Breather Hose Clamp
90	951-11067	Throttle Control Knob
91	951-12131	Primer Bracket
92	710-05103	Bolt M6x12
93	951-11585	Governor Spring
94	951-10664	Throttle Linkage Spring
95	951-10665	Throttle Linkage
97	951-11106	Governor Arm
98	712-04212	Nut M6
99	710-04908	Governor Arm Bolt
100	951-10650	Fuel Line Kit
101	951-11700	Fuel Hose Clamp
102	710-04915	Bolt M6x12
103	951-14075	Rollover Valve

Ref.	Part Number	Description
104	951-11914	Dipstick Decoration Cover
105	710-04905	Bolt
106	710-04915	Bolt M6x12
107	951-12482	Dipstick Assembly
108	951-11381	O-Ring
109	951-11913	Oil Fill Tube Assembly
110	951-11904	O-Ring
111	951-11912	Dipstick Guage
112	951-12535	Cap Comp,Fuel
113	951-14076	Tether
114	751-14139	Primer Hose
118	951-14077	Fuel Tank Assembly
119	951-11933	Fuel Level Indicator
120	951-10651	Fuel Tank Nipple
121	712-04212	Nut, M6

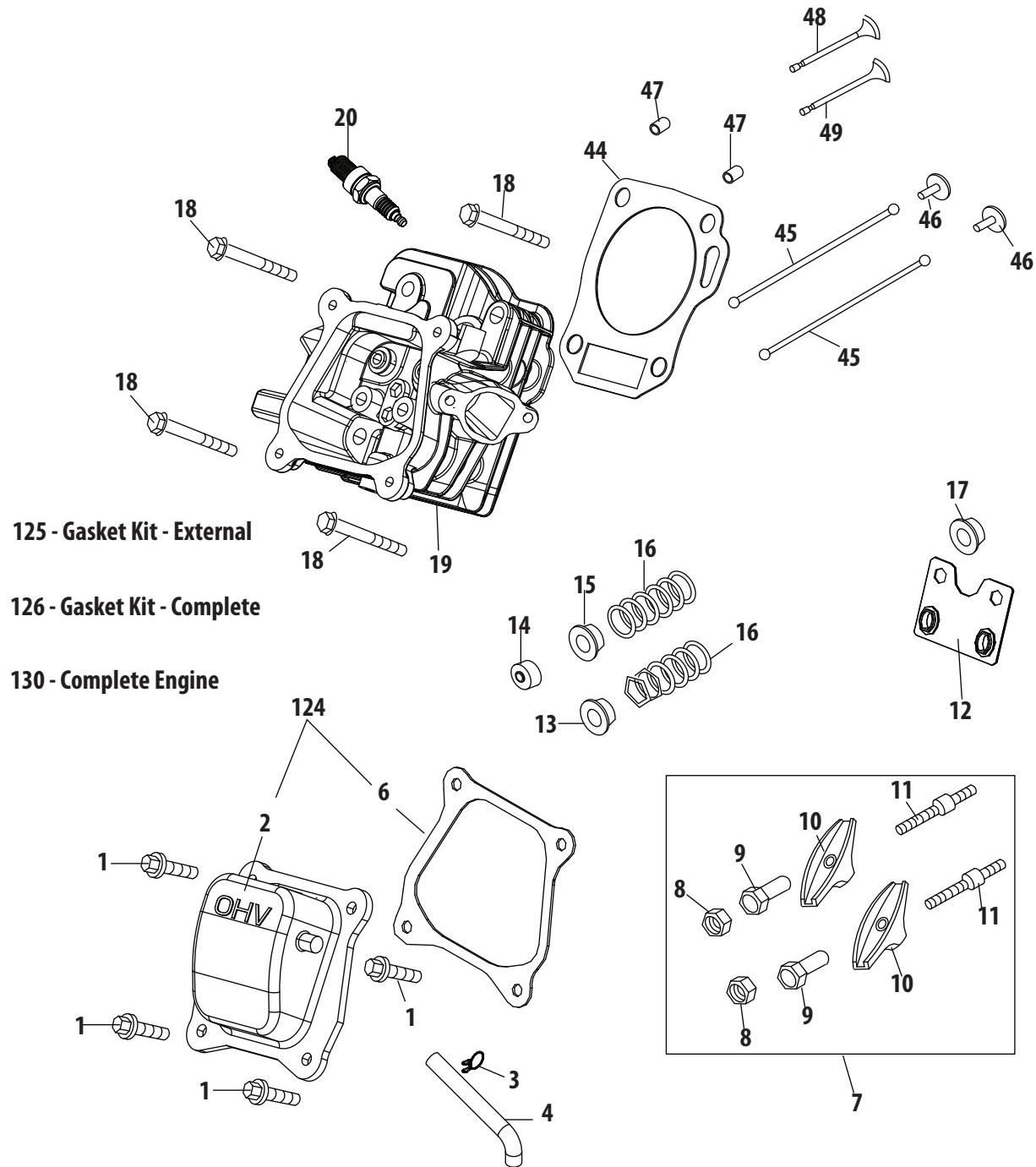
## 170-TU Flywheel & Blower Housing



Ref.	Part Number	Description
75	951-11110	Air Flow Shield
76	710-04940	Bolt M6x10
78	951-10792	Ignition Coil Assembly
79	710-04919	Bolt M6x25
80	951-10805	Flywheel
81	951-10934	Fan, Cooling
82	951-10911	Pulley, Starter
83	712-04209	Nut, Special, M14x1.5

Ref.	Part Number	Description
84	710-04915	Bolt M6x12
86	951-11583	Blower Housing
87	736-04455	Washer
88	710-04974	Bolt M6x10
89	951-12418	Recoil Starter
122	710-04918	Bolt M6x20
123	951-11109	Blower Housing Shield

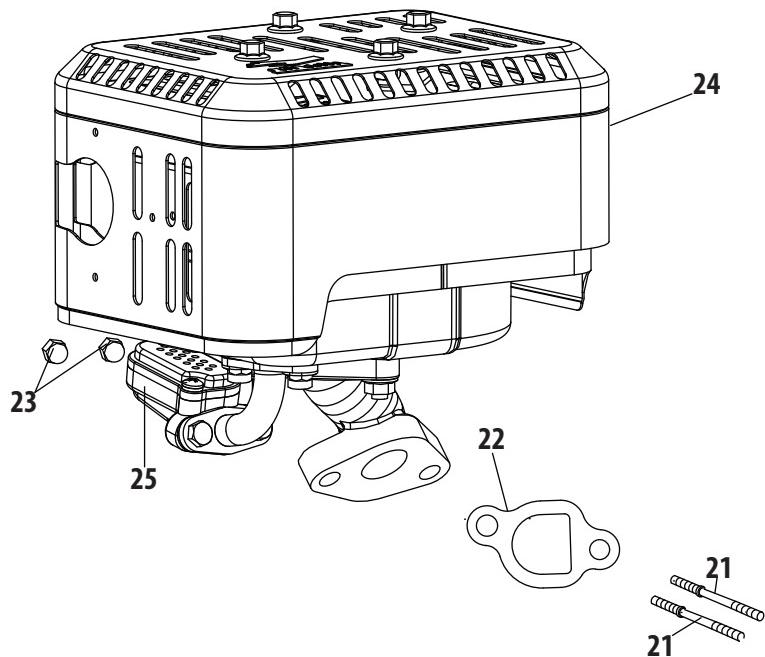
## 170-TU Cylinder Head



## 170-TU Cylinder Head

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	710-04968	Bolt M6×16			Incl.4,15,16,38)
2	951-11054	Valve Cover		951-10722A	Cylinder Head Assembly
3	726-04101	Breather Hose Clamp			(Incl.6,8-17,19,22,28,
4	731-07059	Exhaust Piping			29,44,48,49)
6	951-11565	Valve Cover Gasket	20	951-10292	Spark Plug/F6Rtc
7	951-11892	Rocker Arm Assembly	44	951-11572	Gasket, Cylinder Head
8	751-11124	Nut, Pivot Locking	45	951-10648	Push Rod Kit
9	751-11123	Adjusting Nut ,Valve	46	951-11899	Tappet
10	951-11893	Rocker Arm	47	715-04108	Dowel Pin 10×16
11	710-04902	Bolt, Pivot	48	951-10647A	Valve Kit
12	951-11895	Push Rod Guide	49	951-10647A	Valve Kit
13	951-12000	Retainer, In.Valve Spring	124	951-11063A	Valve Cover Kit
14	951-12002	Adjuster, Exh Valve	125	951-12573	Gasket Kit - External
15	951-12003	Retainer, Ex.Valve Spring			(Incl.6,22,27-29,31)
16	951-12004	Valve Spring	126	951-12572	Gasket Kit - Complete
17	951-11894	Intake Valve Seal			(Incl.6,22,27-29,31,44,
18	710-04933	Bolt M8×55			58,59,68,72,75)
19	951-10819	Cylinder Head Service Kit	130	952Z170-TU	Complete Engine

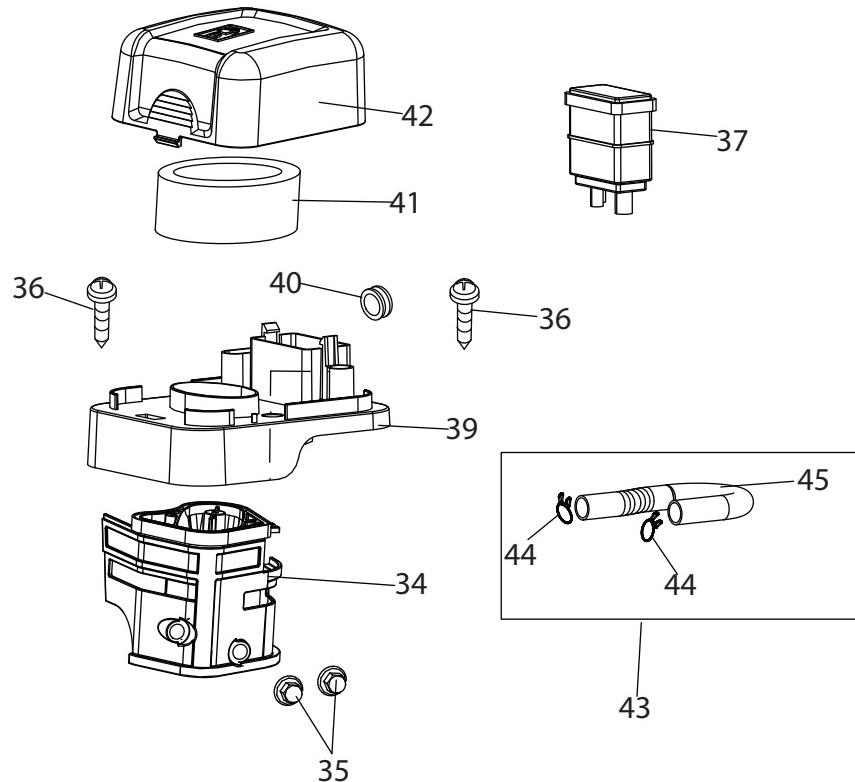
## 170-TU Muffler



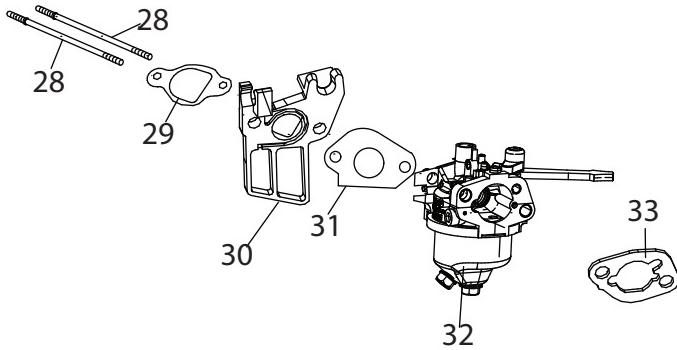
Ref.	Part Number	Description
21	951-14063	Stud M8x38
22	951-11289	Exhaust Pipe Gasket
23	712-04214	Nut, M8
24	951-14067	Muffler Assembly
25	951-12865	Secondary Air Valve



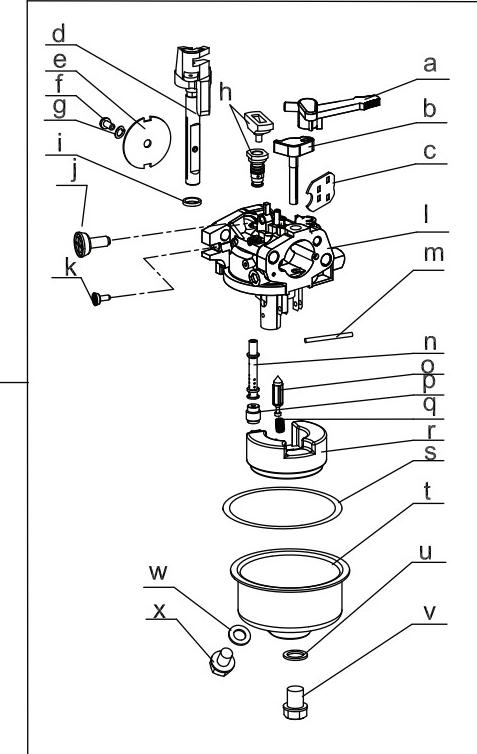
## 170-VU Air Cleaner



Ref.	Part Number	Description
34	951-10806	Air Cleaner Housing
35	712-04213	Nut
36	951-14068	Self-Tapping Bolt M4.2×16
37	951-14069	Carbon Canister
39	951-14070	Silencer Plate
40	750-05314	Rubber Shock Pad
41	951-10794	Air Filter Assembly
42	951-14071	Air Filter Cover
43	951-14072	Primer Hose
44	951-14073	Clamp
45	951-14074	Exhaust Piping



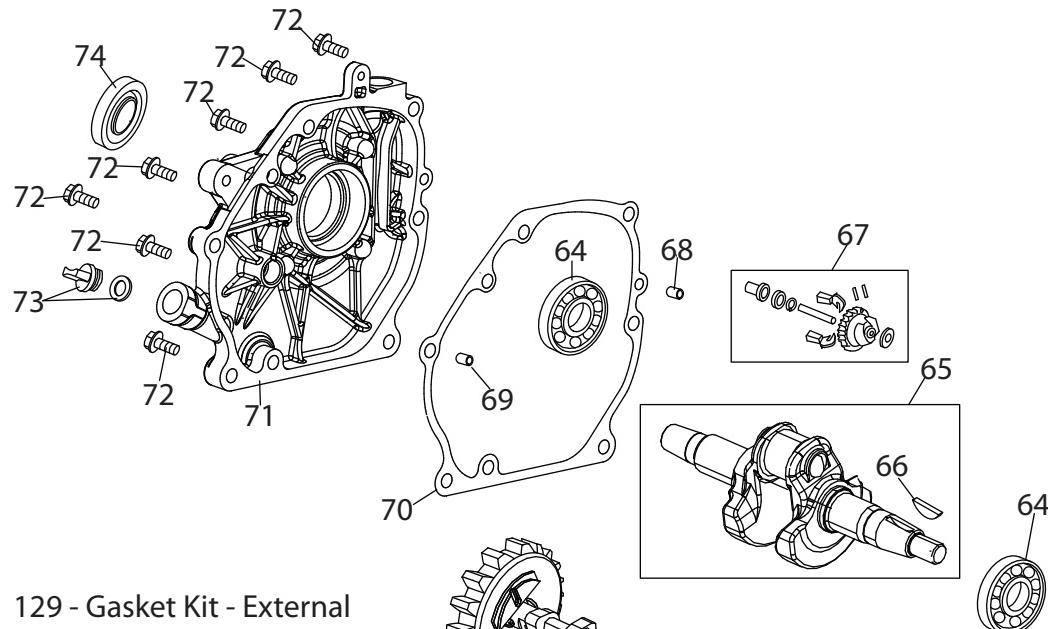
127 - Carburetor Kit - Major



Ref.	Part Number	Description
28	710-05101	Stud M6x110
29	951-11567	Carburetor Insulator Gasket
30	951-11568	Carburetor Insulator
31	951-11569A	Carburetor Gasket
32	951-12124	Carburetor Assembly
33	951-11571	Carburetor Gasket Plate
127	951-12119A	Carburetor Kit - Major (Incl.h,l,j,m,n,o,p,q,r,s,u,w)
a	951-11177	Control Lever,Choke
b	n/a	Choke Shaft
c	n/a	Choke Plate
d	n/a	Throttle Shaft
e	n/a	Throttle Plate
f	n/a	Screw M3x5
g	736-04638	Lock Washer
h	n/a	Idle Jet Assembly

Ref.	Part Number	Description
i	n/a	Gasket, Throttle Plate
j	n/a	Idle Speed Adjusting Screw
k	n/a	Mixture Screw
l	n/a	Carburetor Body
m	n/a	Float Pin
n	n/a	Emulsion Tube
o	n/a	Needle Valve
p	n/a	Main Jet
q	n/a	Needle Valve Spring
r	n/a	Float
s	951-11589	Fuel Bowl Gasket
t	n/a	Fuel Bowl
u	951-11348	Fuel Bowl Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04938	Fuel Drain Plug

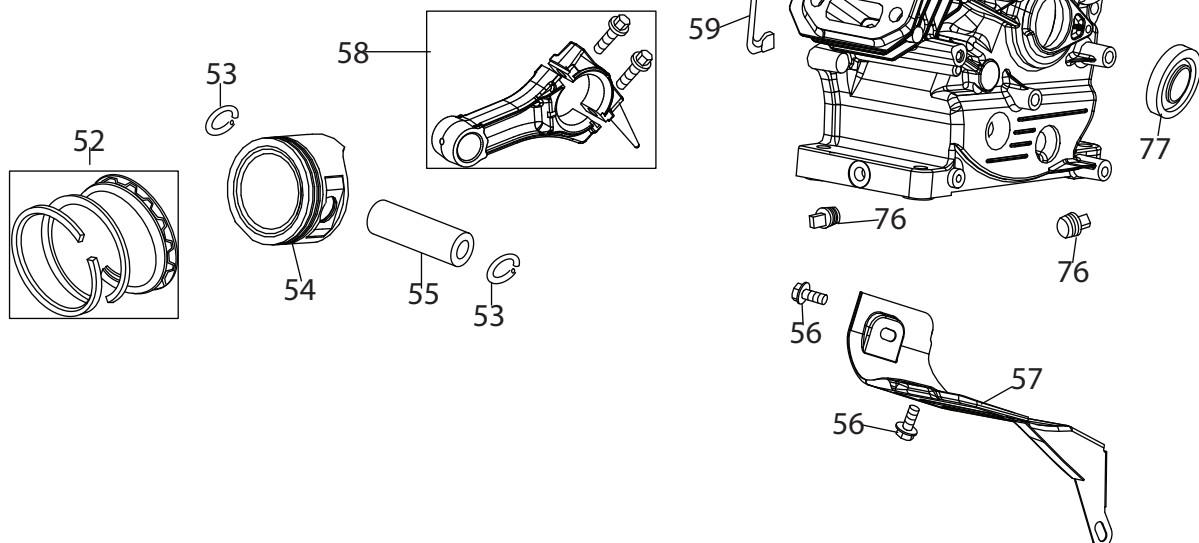
## 170-VU Crankshaft & Crankcase



129 - Gasket Kit - External

130 - Gasket Kit - Complete

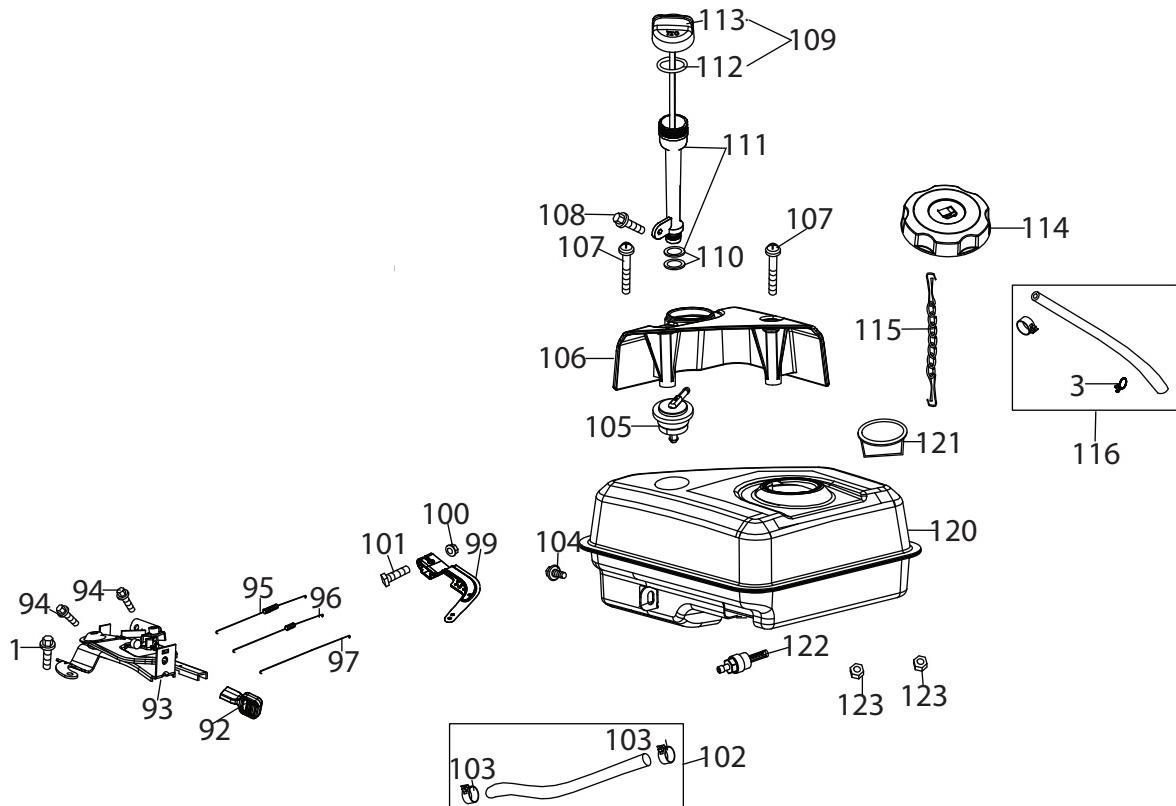
131 - Complete Engine



## 170-VU Crankshaft & Crankcase

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
52	951-12111	Piston Ring Set	69	715-04089	Dowel Pin 9x14
53	951-11632	Piston Pin Snap Ring	70	951-11371	Crankcase Cover Gasket
54	951-12007	Piston	71	951-12125	Cover Comp, Left Crankcase
55	951-11633	Piston Pin	72	710-04932	Bolt M8x32
56	710-04915	Bolt M6x12	73	951-11283	Oil Plug
57	951-11113	Air Shield	74	951-11578	Oil Seal, 25x41.25x6
58	951-11573	Connecting Rod Assembly	75	951-12551	Short Block (Incl.6,22,29,30,46,48,49, 52,53,55,58-72,74-77)
59	951-11356	Governor Arm Shaft	76	951-12514	Oil Drain Plug
60	736-04461	Washer 5.2x1.9	77	951-12126	Oil Seal 25x41.25x6
61	951-11574	Governor Seal	129	951-12573	Gasket Kit - External (Incl.6,22,29-31,33)
62	714-04074	Cotter Pin	130	951-12572	Gasket Kit - Complete (Incl.6,22,29-31,33,46, 60,61,70,74,77)
63	951-11575	Camshaft Assy.	131	952Z170-VU	Complete Engine
64	951-11369	Radial Ball Bearing, 6205			
65	951-12160	Crankshaft Assembly			
66	951-10307	Woodruff Key			
67	951-11576	Governor Gear/Shft Assembly			
68	715-04092	Dowel Pin 7x14			

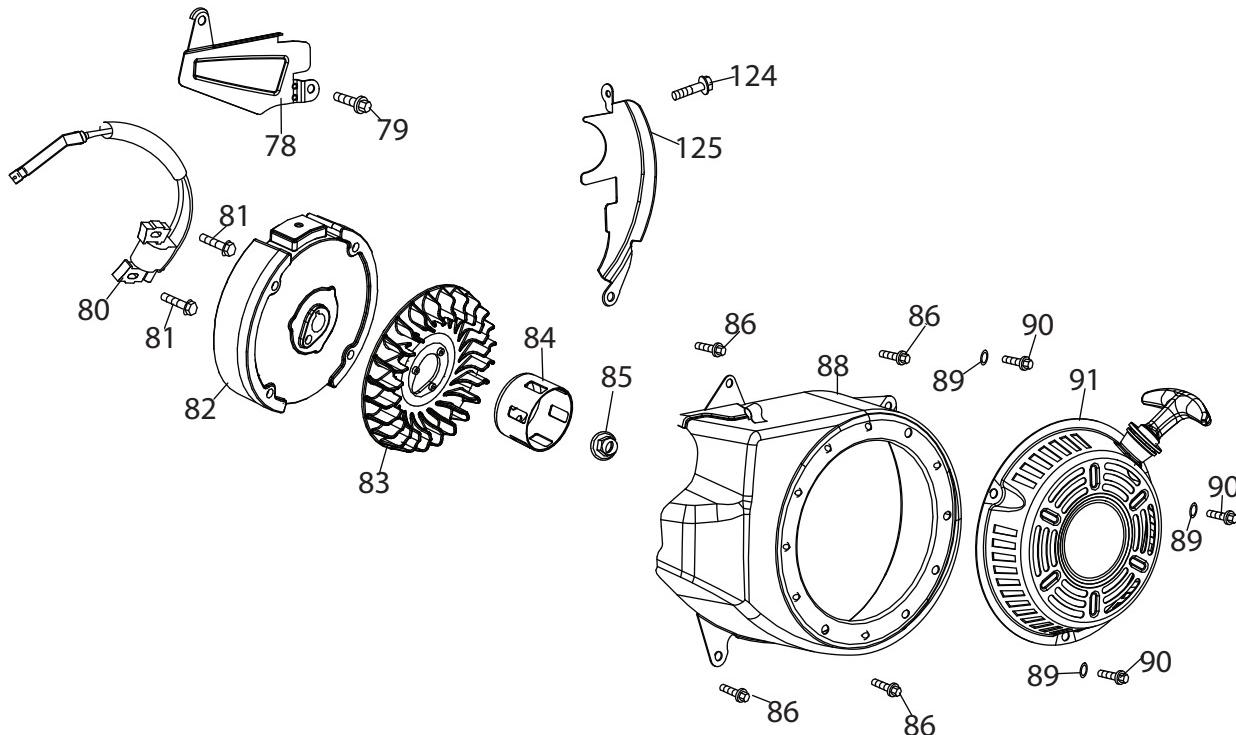
## 170-VU Fuel Tank & Mounting



Ref.	Part Number	Description
1	710-04968	Bolt M6x16
3	726-04101	Breather Hose Clamp
92	951-11067	Throttle Control Knob
93	951-12131	Primer Bracket
94	710-05103	Bolt M6x12
95	951-11585	Governor Spring
96	951-10664	Throttle Linkage Spring
97	951-10665	Throttle Linkage
99	951-11106	Governor Arm
100	712-04212	Nut M6
101	710-04908	Governor Arm Bolt
102	951-10650	Fuel Line Kit
103	951-11700	Fuel Hose Clamp
104	710-04915	Bolt M6x12
105	951-14075	Rollover Valve

Ref.	Part Number	Description
106	951-11914	Dipstick Decoration Cover
107	710-04905	Bolt
108	710-04915	Bolt M6x12
109	951-12482	Dipstick Assembly
110	951-11381	Oil Fill Tube O-Ring
111	951-11913	Oil Fill Tube Assembly
112	951-11904	Oil Fill Tube O-Ring
113	951-11912	Dipstick Gauge
114	951-12535	Cap Comp, Fuel
115	951-14076	Tether
116	751-14139	Primer Line Kit
120	951-14077	Fuel Tank Assembly
121	951-11933	Fuel Level Indicator
122	951-10651	Fuel Tank Nipple
123	712-04212	Nut, M6

# 170-VU Flywheel & Blower Housing



Ref.	Part Number	Description
78	951-11110	Air Flow Shield
79	710-04940	Bolt M6x10
80	951-10792	Ignition Coil Assembly
81	710-04919	Bolt M6x25
82	951-10805	Flywheel
83	951-10934	Fan, Cooling
84	951-10911	Pulley, Starter
85	712-04209	Nut, Special, M14x1.5

Ref.	Part Number	Description
86	710-04915	Bolt M6x12
88	951-11583	Blower Housing
89	736-04455	Washer
90	710-04974	Bolt M6x10
91	951-12418	Recoil Starter
124	710-04918	Bolt M6x20
125	951-11109	Blower Housing Shield

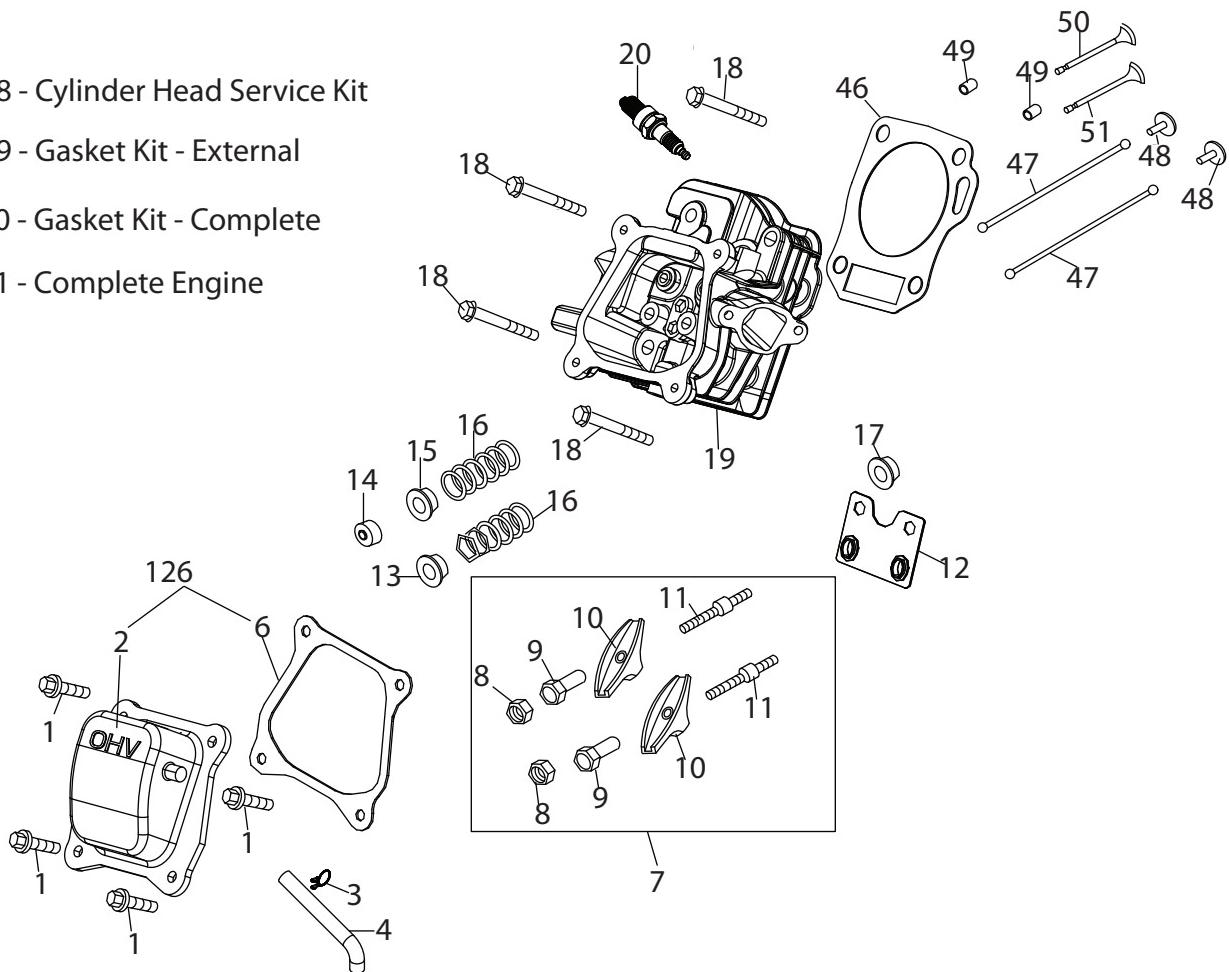
## 170-VU Cylinder Head

128 - Cylinder Head Service Kit

129 - Gasket Kit - External

130 - Gasket Kit - Complete

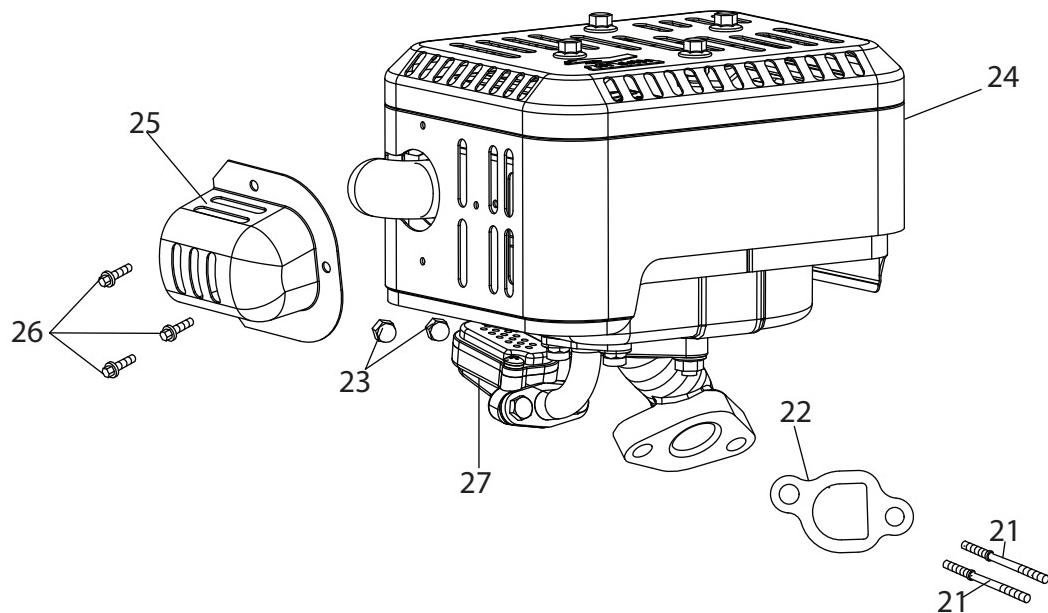
131 - Complete Engine



## 170-VU Cylinder Head

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>	<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
1	710-04968	Bolt M6×16			(Incl.6,8-17,19,22,29, 30,46,50,51)
2	951-11054	Valve Cover	20	951-10292	Spark Plug/F6Rtc
3	726-04101	Breather Hose Clamp	46	951-11572	Gasket, Cylinder Head
4	731-07059	Exhaust Piping	47	951-10648	Push Rod Kit
6	951-11565	Valve Cover Gasket	48	951-11899	Tappet
7	951-11892	Rocker Arm Assembly	49	715-04108	Dowel Pin 10×16
8	751-11124	Nut, Pivot Locking	50	951-10647A	Valve Kit
9	751-11123	Adjusting Nut ,Valve	51	951-10647A	Valve Kit
10	951-11893	Rocker Arm	126	951-11063A	Valve Cover Kit
11	710-04902	Bolt, Pivot	128	951-10819	Cylinder Head Service Kit (Incl.6,17,18,46)
12	951-11895	Push Rod Guide	129	951-12573	Gasket Kit - External (Incl.6,22,29-31,33)
13	951-12000	Retainer, In.Valve Spring	130	951-12572	Gasket Kit - Complete (Incl.6,22,29-31,33,46, 60,61,70,74,77)
14	951-12002	Adjuster, Exh Valve			Complete Engine
15	951-12003	Retainer, Ex.Valve Spring	131	952Z170-VU	
16	951-12004	Valve Spring			
17	951-11894	Intake Valve Seal			
18	710-04933	Bolt M8×55			
19	951-10722A	Cylinder Head Assembly			

## 170-VU Muffler



Ref.	Part Number	Description
21	951-14063	Stud M8x38
22	951-11289	Exhaust Pipe Gasket
23	712-04214	Nut, M8
24	951-14067	Muffler Assembly
25	951-14078	Exhaust Pipe Shield
26	951-14079	Duct Bolt
27	951-12865	Secondary Air Valve

## Notes







To order replacement parts or locate your nearest service dealer call a Customer Support at (800) 800-7310.  
or visit [www.mtdproducts.com](http://www.mtdproducts.com) to find the nearest authorized dealer in your area.

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